[redacted]

P-W

CHINO VALLEY OIL & MINING CO.
SE/SE Sec 27-T18N-R2W, Yavapai 13-9

[redacted]

32 × 1

16

County Yavapai

Area

Lease No.

Well Name CHINO VALLEY OIL & MINING COMPANY

Location SE/SE/SE Sec 27 Twp 18N Range 2W Footage 800 fsl 400 fel

Elev ±4487 Gr KB Spud Date Completed ~~Abandon~~ 1913 Total Depth 1800

Contractor

Drilled by Rotary
Cable Tool X

Casing Size	Depth	Cement

Production Horizon

Initial Production D & A

REMARKS

Elec Logs

Sample Log
Sample Descript.
Sample Set
Core Analysis
DSTs

Applic. to Plug Plugging Record Completion Report

Water well accepted by

Bond Co. & No.

Bond Am't $ Cancelled Date Organization Report

Filing Receipt Dated Well Book Plat Book

Loc. Plat Dedication

API NO. 02-025-60002

Permit Number Date Issued

13-9

32 ×

Re permit

COUNTY	STATE	TOOLS	INFO. O/H
Yavapai	Arizona	Cable	

WELL
Chino Valley Oil and Mining Co. #1

LOC.
SE SE SE 27-18N-2W

ELEV.

CONTRACTOR

COMM.	COMP.	T. D.	I. P.
	1913	1800'	

FORMATION RECORD

CASING

ACID

SHOT

REMARKS Oil show reported at 18 00'.

(SCOUT REPORTS ON REVERSE SIDE)

32 ×

Drilled to depth of 500 feet in 1921.
Area visited April 11, 1928)

YAVAPAI COUNTY:

13-9 Chino Valley Oil & Mining Company. Well located 800 feet north and 400 feet west from the southeast corner of Section 27, T. 18 N., R. 2 W., G. & S.R.M. Well drilled in 1913 to an approximate depth of 1,800 feet. An oil showing was reported at 1,800 feet. Well is situated on easterly edge of broad alluvial valley. No conclusive evidence of structure. Outcrops about 1½ miles distant in northerly direction showing apparently flat dips.

Area visited April 13, 1928)

Well at Mormon Church at Chino Valley Postoffice, located in the NE¼ Section 27, T. 16 N., R. 2 W., G. & S.R.M. Drilled to depth of 418 feet for water. (Visited April 13, 1928)

13-1 Verde Valley Oil Company, well No. 1, located in NW¼ NW¼ Section 9, T. 13 N., R. 5 E., G. & S.R.M. Well drilled in summer of 1913 to depth of 1,225 feet. Tried to pull casing and failed. Well abandoned. No evidence of rig. Well visited April 14, 1928.

Condensed log of well No. 1

0 - 250	clay and white rock
	Water encountered at 250 feet
250-1225	Clay and streaks of white rock
1225 -	Igneous rocks.

13-2 Verde Valley Oil Company, well No. 2. Located in the NW¼ NW¼ Section 14, T. 13 N., R. 5 E., G.&S.R.M. Drilled in 1913 to depth of 1,625 feet . Well Abandoned. Visited April 14, 1929.

Log of Well No. 2

0 - 250	Clay and white rock (Red Wall Lime)
250 - 800	Alternating layers of clay (25'-30' thick) and sodium rock (10'-15' thick)
800 - 1400	Clay and lava rocks
1400 - 1625	Igneous rocks
	Water encountered at 1,000 feet and analysed. 33% sodium.

The sodium sulphate mine, approximately in Section 6, T. 13 N., R. 5 N., G. & S.R.M., was also visited. The mine was shut down, but three prospect shafts were being sunk.

SAFFORD AND BOWIE AREAS:

5-2 Ashurst No. 1. NE¼ NE¼ Section 30, T. 5 S., R. 24 E., G. & S.R.M. Drilling depth 1,247 feet carrying 10-inch casing. Water not shut off. No evidence of structure. Well visited April 16, 1928.

Log of Ashurst No. 1

0 - 20	Brown clay
20 - 50	Gravel - Water
50 - 450	Brown clay
450 - 465	Red sand - water
465 - 510	White lime
510 - 540	Lime and shale
540 - 620	Light gray sand - water (about 10,000 barrels per day)
620 - 667	Lime and shale
667 - 717	Shale

32 ×

Arizona-Oklahoma Gas & Oil Company, Inc.

Organized Under the Laws of Arizona

OFFICES:

Union Building, Prescott, Ariz.

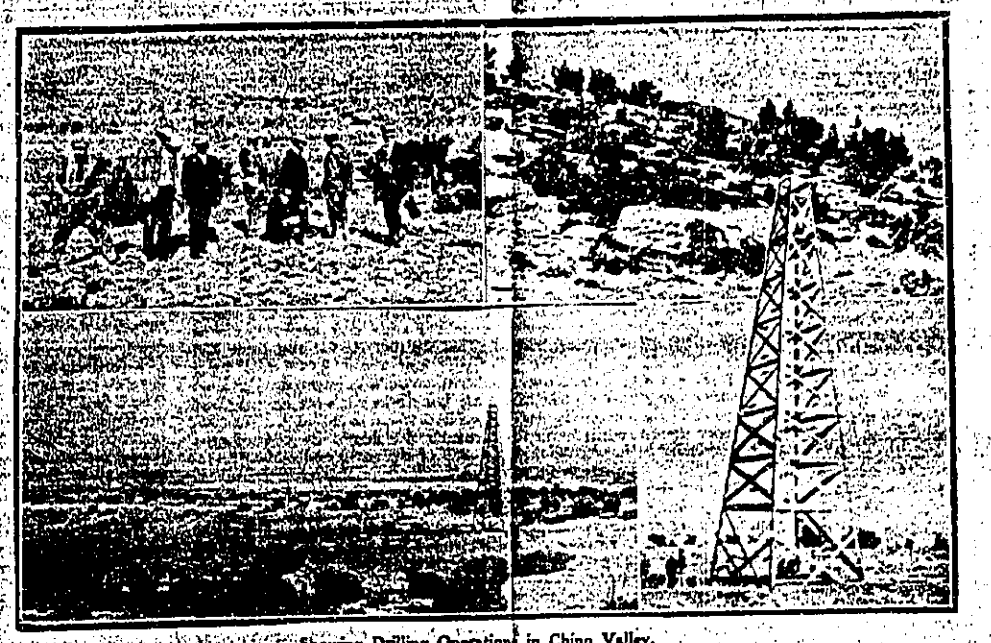
Box 338

OFFICERS:

President, W. M. Poulson; vice-president, L. D. Nuneley; secretary and treasurer, S. P. Shull; general manager, Col. Fred Bowler.

DIRECTORS:

Dr. A. B. Carmichael, Col. Fred Bowler, W. M. Poulson, L. D. Nuneley and S. P. Shull.



Showing Drilling Operations in Chino Valley.

CAPITAL

One Million Dollars ($1,000,000) Divided Into 1,000,000 Shares, Par Value $1.00

Fully Paid and Non-Assessable

Properties

The Arizona-Oklahoma Gas & Oil company owns and controls 3,200 acres of land in the Chino valley, Yavapai county, Arizona, and 4,000 acres of land in the proven oil fields of Kansas, Oklahoma and Texas.

At the present time the eye of the oil and gas men of the country are centered on the Chino valley oil fields in Arizona, where active exploration operations on a large scale are being prosecuted. This comparatively newest oil field that has sprung into the lime light, is a few miles northwest of Jerome Junction, a station on the Prescott and Santa Fe railroad, southwest of Ash Fork and northwest of Prescott, Arizona, where the newest oil boom is under full way.

The opening of this oil field in Arizona will mean the beginning of an oil boom duplicated only by the activities prevailing in Wyoming, which are making new millionaires almost daily. It is predicted that in the near future there will be hundreds of other companies operating in this field.

Various oil geologists and experts, including a noted official of the Standard Oil company, have examined and reported most favorably on this field. A noted oil geologist recently said: "I wish to say that in my experience, covering nearly every oil field on this continent, I have never seen any unexpired locality that presented so many favorable features for oil as the Chino valley, Arizona. Geological conditions are correct, grading ground is of large area. The existence of oil in Chino valley field and the saturated rocks are conclusive evidence that there is oil there."

Geological Elements Necessary for and Oil Field Do Exist in Chino Valley.

Oil has actually been struck in drill holes in Chino valley. The geological conditions all point to immense oil pools to be opened by drilling.

shales are covered with an impervious rock that prevents the escape of the oil and gas to the surface.

There is a suitable structure in the form of an arch, generally called the "anticline" or "dome," as a reservoir to hold the oil in a bed or pool. There is a large area of gathering ground or drainage area. This means the arch or anticline should be flanked on either side by a wide syncline or water area.

The above statements are verified by reports of different geologists and the log of the discovery well drilled ten years ago, which proved the existence of the oil.

Log of Discovery Well

At 280 feet water was first encountered, but was not cased off.

At 400 feet sandstone was encountered and was drilled through to a depth of 75 feet, after which shale was struck to a depth of 1,383 feet, where the cap rock was encountered.

Passing through the cap rock 110 feet of oil sand, containing a high paraffine base oil, was found.

By reason of the great column of water, through which we were drilling, it was impossible to determine the quantity of oil that this well was capable of producing," says J. L. Wiley, who was in charge of the drilling, "but in view of the fact that the oil was forced to the surface of this column of water by the gas pressure below, would indicate that a tremendous oil production should have been the result of our efforts, had water been properly cased off in the beginning, after we struck it at 280 feet.

"I would add further that there was no casing used below the 1,400-foot level, thus accounting for the many points at which cave-ins took place. That [illegible]

The Arizona-Oklahoma Gas & Oil Company Will Drill—No Fake

The character and personnel of the officers and directorate are of the highest character and they will positively drill for oil in the best selected site in the Chino oil field. Their employes are experienced oil men, taken from active service in large oil fields. There will be no experimenting with small rigs. The company is equipping itself with a standard rig heavy enough to reach a depth of 5,000 feet if necessary, as its board of directors are experienced oil men. General Manager Fred Bowler, a graduate mining engineer of long practical experience, is a successful driller himself in other fields.

Arizona-Oklahoma Gas & Oil Company is now offering what is left of the original block of 150,000 shares of stock, which permission to sell was granted by the corporation commission of Arizona at one dollar per share. The proceeds to be used to drill for oil. Most of the stock sold has been purchased in Arizona by people familiar with the Chino oil field.

Buy Now and Reap Later

The remainder of the stock for sale is going rapidly. Soon the books will be closed. Buy now before it is too late. A few dollars invested now may be worth thousands in less than a year. Such things have happened recently in California, Wyoming, Oklahoma, Texas and Kansas oil fields. Be an "I did" and make quick money, not a "wish I had" and be broke.

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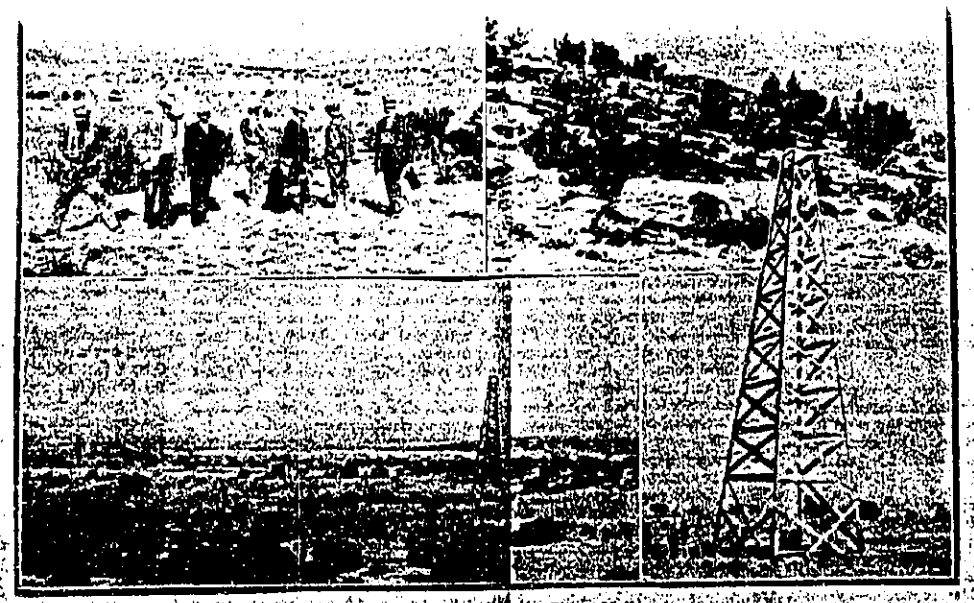

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Oil has actually been struck in drill holes in Chino valley. The geological conditions all point to immense oil pools to be opened by drilling.

The district is so situated that the cretaceous sea left sufficient deposits of its various elements, fossils, etc., necessary to make oil. There is a sufficient quantity of the lime, salts, etc., to create the necessary chemical action to make the oil. Above the cretaceous lime there is a sufficient body of porous sandstone and shales to receive and carry the oil. The porous sandstones and shales are covered with an impervious rock that prevents the escape of the oil and gas to the surface.

There is a suitable structure in the form of an arch, generally called the "anticline" or "dome," as a reservoir to hold the oil in a bed or pool. There is a large area of gathering ground or drainage area. This means the arch or anticline should be flanked on either side by a wide syncline or water area.

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Passing through the cap rock 110 feet of oil sand, containing a high paraffine base oil, was found.

By reason of the great column of water, through which we were drilling, it was impossible to determine the quantity of oil that this well was capable of producing," says J. L. Wiley, who was in charge of the drilling, "but in view of the fact that the oil was forced to the surface of this column of water by the gas pressure below, would indicate that a tremendous oil production should have been the result of our efforts had water been properly cased off in the beginning, after we struck it at 280 feet.

"I would add further that there was no casing used below the 1,400-foot level, thus accounting for the many points at which cave-ins took place. That was the cause of the loss of this first discovery well."

The above statements are verified by the sworn statement of J. W. Wiley as to the log of the well drilled several years ago in the Chino valley. The oil that was found in this well was proven by tests to be paraffine base of high gravity, which is selling at the present time for about $3.00 per barrel.

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When you invest, remember that you have a four to one shot for your money and in your favor, since the Arizona-Oklahoma Gas & Oil Company owns oil lands in the four oil states of Arizona, Oklahoma, Texas and Kansas to be developed. Address

Arizona-Oklahoma Gas & Oil Co.

Box 338, Union Building, Prescott, Arizona

UNIVERSITY OF ARIZONA
TUCSON
ARIZONA STATE BUREAU OF MINES

Jan. 2, 1918

Chino Valley Oil Co.
Phoenix, Ariz

Gentlemen:

Our Mr. Allen is about to make a reconnaissance of the oil situation in the Chino Valley, starting on Monday the 7th. We would be glad if you would give us the names of your officers or those with whom he will communicate in Phoenix,

Yours very truly,

Charles F. Willis
Director.

CFW.H

32×

Reconnaisance of the Chino & Verde Valleys

of Arizona

Introductory

By M.A. Allen (?) 1920's [1918]

The tremendous publicity which certain fields of Arizona are receiving with regard to the possible occurrence of oil in commercial quantities, and the interest the public has taken in Arizona's oil possibilities, has prompted the Arizona State Bureau of Mines to make a rough reconnaisance of the possible fields. This reconnaisance was short, unfortunately, and was not in the nature of a geological investigation which would have taken considerable time and funds, which are not available. The weather conditions were very adverse, snow considerably hampering a part of the investigation. In fact the visit to the Holbrook district had to be abondoned because of the depth of the snow, but it is expected that a visit to that field will be made in the spring. The fields which are considered in the report are the Chino, and the Verde Valley fields. The writer wishes to take this opportunity of thanking the officers of the Arizona Oil & Refining Co., Mr. C.L.Dunbar, and Messers Coleman, and King for the assistance rendered and the facilities extended during his visit to the fields.

Chino Valley Field

The Chino Valley field is situated in the northern part of Yavapai County, and embraces the whole of the Black Forest Mesa, comprising an area of about ten townships as follows:

T 17N R1W T 17N R2W T 18N R1W

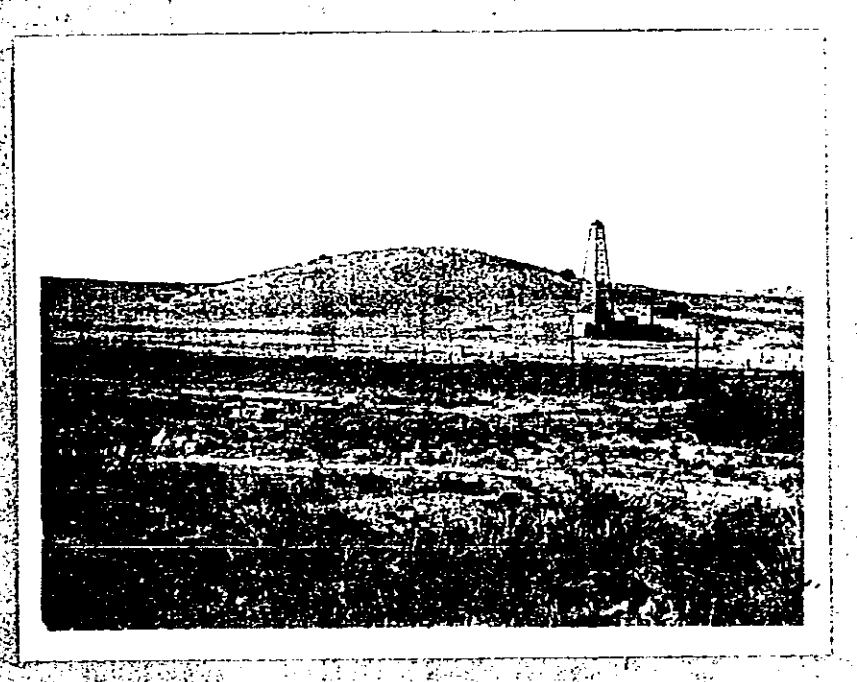
T 18N R2W	T 18N R3W	T 19N R2W
T 19N R3W	T 19N R4W	T 20N R3W
	T 20N R4W	

Valley Station, which is in the Southeastern part of the field, is about twenty five miles north of Prescott on the Ashfork & Phoenix branch of the Santa Fe Railroad.

History

Oil indications have been known in Chino Valley for a number of years. In 1905 O.A.Jones, after a careful survey of the Valley, reported that favorable indications of oil existed.

Some years ago, J.C.Heslit formed a company known as the Chino Valley Oil & Mining Co., which raised sufficient money to put down a test well, a photograph of which is given herewith.



This well was drilled about a half mile north of Valley Station. It appears that considerable difficulty was encountered in drilling and casing the well; in any event, the water met with at the 280 foot

level does not seem to have been cased off. No absolute log of this well seems to have been kept, but given herewith are some extracts from an affidavit made by one of the drillers of the well.

Sworn Affidavit of the Discovery of Oil in Arizona:

State of Arizona:
ss
County of Maricopa:

I, J.I.Wiley, being first duly sworn, deposes and says:

I know there is oil in the Chino Valley, Yavapai County, Arizona:

I assisted in the discovery of oil in the well drilled by the Chino Valley Oil & Mining Company on Section 27, Township 18 North, Range 2 West, Gila and Salt River Meridian, Yavapai County, Arizona. The records of the log of this well showed the following:

At the 280 foot level water was first encountered, but was not cased off;

At the 400 foot level sandstone was encountered and was drilled through to a depth of 75 feet, after which shale was struck to a depth of 1383 feet, where the cap rock was encountered;

Passing through the cap rock 110 feet of oil sand, containing a high paraffine base oil was found.

By reason of the great column of water, through which we were drilling, it was impossible to determine the quantity of oil that this well was capable of producing, but in view of the fact that oil was forced to the surface of this column of water by the gas pressure below, it would indicate that a tremendous production should have been the result of our first efforts, had water been properly cased off in the beginning.

I would add further, that there was no casing used below the 1400 foot level, thus accounting for the many points at which cave-ins took place. That was the cause of the loss of this well.

J.L.Wiley

Before me J.R.Price a notary public in and for the County of Maricopa, State of Arizona, on this day personally appeared Mr. J.L.Wiley, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same.

Given under my hand and seal of office this 9th day of November, 1917.

J.R.Price
Notary Public

My commission expires
June 5, 1918

A considerable number of companies have been formed and have taken locations in the Chino Valley field, besides numerous private individuals. At the present time the Arizona Oil & Refining Co., and the United Chino Oil Co., and the Arizona Del-Rio Oil Co. are the only companies which have been granted permission to sell stock by the Arizona Corporation Commission.

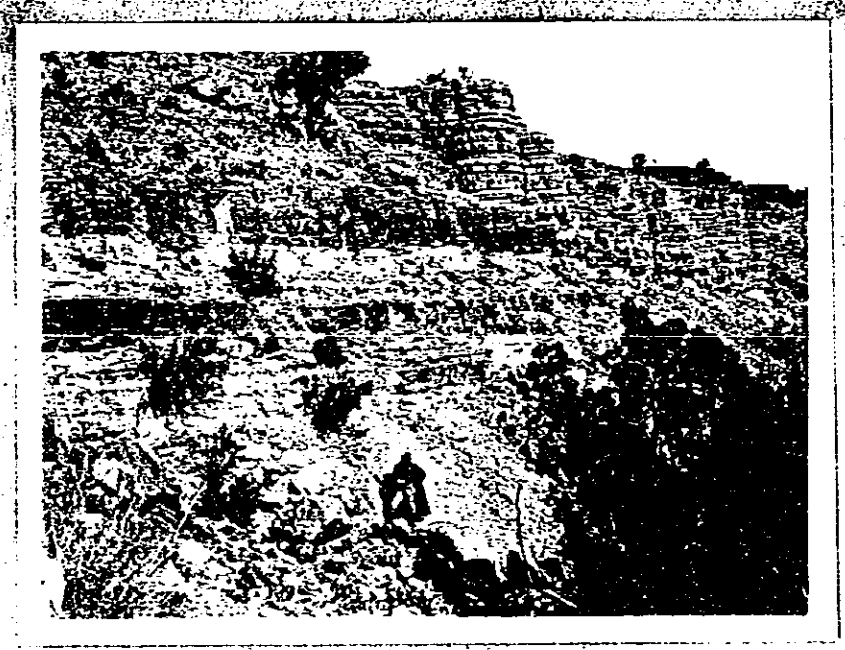
The Arizona Oil & Refining Compnay has now its derrick erected at a place one half mile southeast of the discovery well of the Chino Valley Oil & Mining Company. The complete drilling rig is on the field, necessary bunk houses erected, and drilling operations will

probably commence the middle of January. The Arizona Del-Rio and United Chino Oil Companies will probably be sinking their test wells within a few months.

Geological

Reports on this field have been made by J.Roland Sager, Etienne A.Ritter, and others.

The geological conditions under which oil is found are discussed fully in Bulletin 69, by the same author. It is reported that there are many surface indications of oil in the Chino field, two of which were examined by the author. One was an exposure of limestone in the walls of the canyon of the Verde River at a point a little north of the Junction of Chino and Granite Creeks. A photo of this point, together with a view down the canyon is given herewith.



The exposure referred to is marked by a cross on the photo. Eight miles northwest of this part, another indication of oil was found. There is also the sworn affidavit of the driller of the well of the Chino Valley Oil & Mining Co., given in the previous part of this report.

Structural Conditions

The field is transversed by a distinct anticlinal structure, the axis of which approximates a NW and SE direction, and which is distinctly marked by the Black Forest Mesa. The southwest flank of the anticline dips at an angle of approximately 11 degrees, and gradually flatterns out into the syncline which is occupied by Page Flat, through which Chino Creek runs. The dip of the strata can be seen in the small hill behind the derrick in the first photo in this report. The old well and the new test well of the Arizona Oil & Refining Co. are located on the southwest flank of the anticline. The northwest flank of the anticline does not appear to dip at a great angle and in places appears flat; the dip of this flank can only be determined by

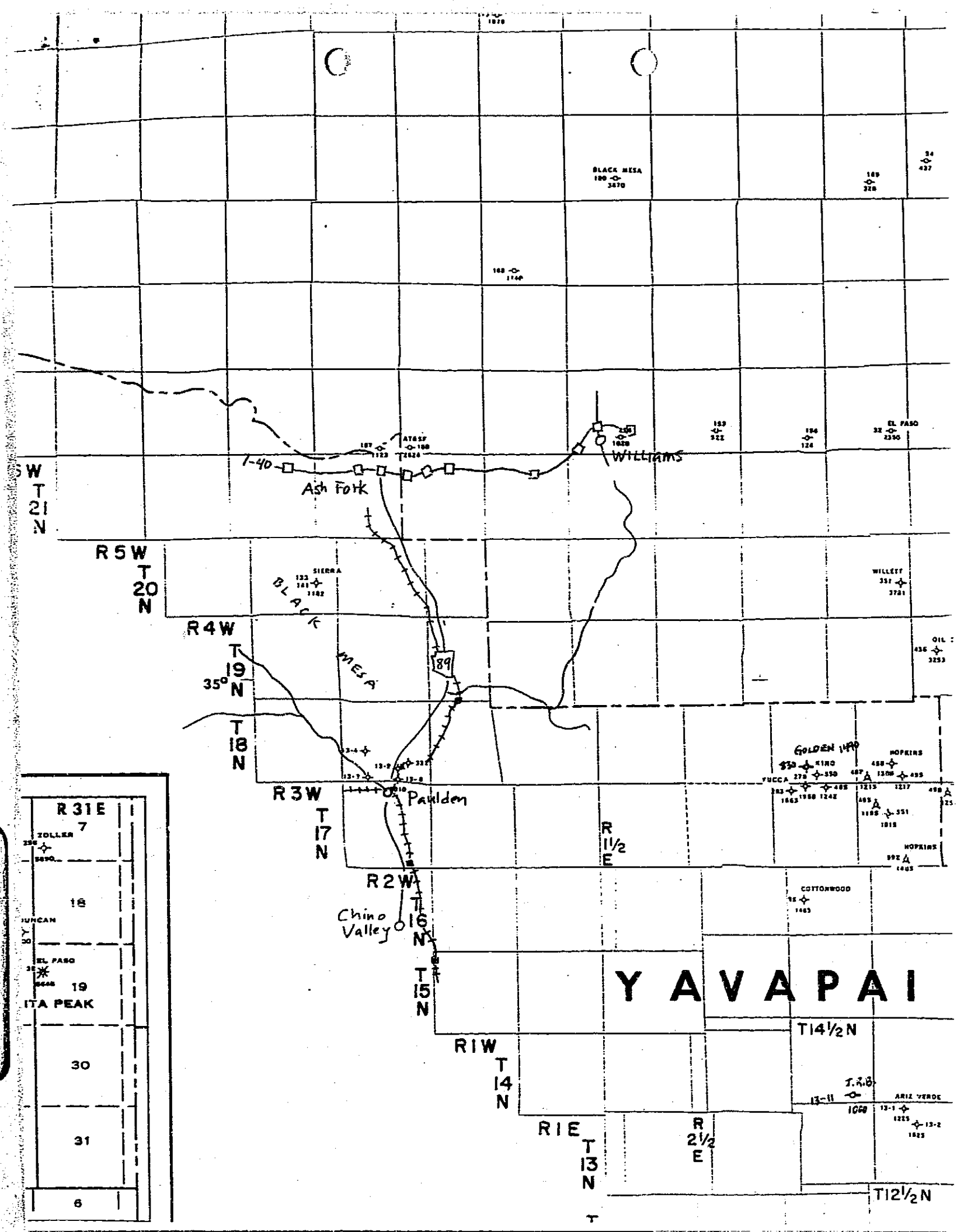
careful survey. In fact, to accurately determine if favorable structural conditions exist to the north, east, south , a careful stratigraphical survey should be conducted. Whether this has been done or not, the writer was unable to ascertain.

From the geological work which has been done by N.H.Porter, H.E.Gregory, and F.L.Parsons, all of the U.S.G.S. Survey, on northern Arizona and the immediate vicinity of the Chino Valley, together with the geological field data gathered in Chino Valley by the writer, the formation of the Black Forest Mesa may be considered to be of the Redwall of the Mississippian which is carboniferous age ~~Kaibab formation of the Pennsylvania series which is of carboniferous age.~~ From the known thickness of the strata exposed at the Grand Canyon and Jerome, and considering the limestones of the Redwall ~~Kaibab~~ exposed on the Black Forest Mesa, the sedimentary strata in the Chino Oil field is very thick, considerably deeper than 1850 feet, the water depth of the discovery well.

The nearest field in which oil occurs in the same geological series as that of the Chino Valley(Pennsylvanian) is the San Juan field of Utah, just north of the Utah Arizona State line.

Conclusion

The existance of oil in commercial quantities in the Chino Valley and Verde Valley fields can only be determined by sinking test wells. There is no doubt that the indications exist which warrent an investigation. In order that these test wells should prove the fields beyond a doubt, and that possible productive fields should not be condemned, sufficient geological and stratagraphical investigations should be done, to prove that an anticlinal structure favorable to oil accumulation exists, and test wells should be sunk in places determined by the results of the survey. Drilling rigs used should be capable of reaching a considerable depth, say from 3500 to 4000 feet, in order to prove the question of depth beyond a doubt.


BLACK MESA
EL PASO
WILLIAMS
I-40
Ash Fork
SW
T
21
N
R5W
T
20
N
SIERRA
BLACK MESA
WILLETT
R4W
T
19
N
35°
189
T
18
N
R3W
Paulden
GOLDEN
KING
FUCCA
HOPKINS
R
11½
E
R2W
T
17
N
COTTONWOOD
Chino Valley
T
16
N
T
15
N
YAVAPAI
T14½N
R1W
T
14
N
ARIZ VERDE
R1E
T
13
N
R
2½
E
T12½N
R 31 E
7
ZOLLER
18
DUNCAN
EL PASO
19
ITA PEAK
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31
6

the prospectus for developing commercial wells warrants the expenditure necessary to demonstrate same. I find the geology, what is known to practical oil men as " Oil Showings" all on one side, and the lack of legitimate drilling tests prove the showings of the other.

E. Ronald Sager

I have recently concluded a personal examination of the District known as the Chino Valley which is the exception to which I have heretofore referred. I learned that this district has been under favorable consideration ~~xx x xxx~~- for the prospects of oil for a period of about ten years past, and that reports from oil geologists and reputed practical oil men have been more or less favorable to this district; notable among the geologists who have recently and favorably reported upon the Chino Valley oil stratification is Dr. Stiehhe A. Ritter, mining Engineer, Doctor of Sciences, Member of the American Institute of Mining Engineers, of the Institute of Mining and Metallurgy.

In. T- 18 Range 2 east, there has been a well drilled, reaching a depth of approximately 1900 feet. I learned from Local history that this well was started a number of years ago by local people and as the result of lack of knowledge of the formation which they would be likely to encounter, they were compelled to give up drilling at about 1900 feet. It appears that if there was any log of the well kept, it has been lost, and the only information procurable was from people who lived in the vicinity at the time of the operations and some who claimed to have been engaged in the drilling. I am satisfied from the statements and data available that the well was drilled through about about 100 feet of Oil Sand and that the showing for Parafine Oil of high gravity was remarkably good. I learned that recently a new company was organized to take over this well, and it is now prosecuting work for the recovery of same under the direction of Mr. John Hartt, a man whom I know personally and who bears the reputation of a thorough and competent oil

driller.

32 x

Mr.Dartt personally informed me that from the bailings and by the limited amount of progress which he has been able to make since taking charge of the well, he has entire confidence that the well is an Oil well,whether or not they will be able to recover it owing to the present conditions ,it must certainly prove the discovery and location of a large oil basin which should produce many wells of commercial importance .

This well which I consider the Discovery Well, is equipped with Standard Derrick and with an outfit adequate to substantially prosecute the work,and it is expected that it will be only a short time until the Oil sands will be shot to give the well a satisfactory testing. My conclusions as to this well are very encourageing as to the prospect or probability that oil has been encountered which will shortly prove to be of commercial quantity and of unusually high quality ,being paraffine base ,high gravity.

While this well was located by a man of some reputation as an Oil locator ,it is evident from the Geological formation(See Map of District) that the well was located a considerable distance from the crest of the Anticline,and any oil showings made in this well should prove absolutely that wells drilled higher on the anti cline would result in much more oil.

I will now take up briefly the geological elements taht must exist to make possible oil fields;

First:-- That the district is so situated that the cretaceous sea, left sufficient deposits of its various elements,fossils,etc.,necessary to make the Oil.

2nd:--That there is sufficient quantities of lime salts, etc ., to create the necessary chemical action to make the oil.

3Rd:-- That above the cretaceous lime there is a sufficient body of porous sandstone and shale to receive and carry the oil.

4 th:-- That the porous sandstone and shale be covered with an impervious rock to prevent the escape of gas to the surface.

5 th:-- That there must be a suitable rock structure in the form of an arch ,generally called the Anticline or dome,as a reservoir to hold the oil in a bed or pool.

6 th:-- That there must be a large area of gathering ground or drainage aor. This means the arch or anticline should be flanked on either side by a wide synoline or water Aor.

7 th:-- The presence of sufficient water in the sands of the synoline to force the oil toward the crest of the xxx crest of the Area and hold it there.

There is an abundance of evidence in this field of the cretaceous limes with their various contents to insure the base from which Oil and Gas are created. There are many indications of the porous sandstone and shale to collect the oil, and convey same, also the necessary strata of rock to form an impervious or oil tight cover for oil bearing sandstone shale,that the arch or anticline is a most excellent structure for the storing and holding of oil is known to be plainly evident.

This Oil structure is located on an extensive anticline of Carboniferous limestone called the Black Forest Mesa . Nearly all of the Geological formations found there are exposed in the Grand Canyon of the Colorado to the Northwest,and again in the Jerome Mining District to the South east.

In making an approximate estimate of the thickness of the various formations,one can only try to strike a general average of the exposures at the Grand Canyon and Jerome. I would estimate that it would be more than 2500 feet to the bottom of the sedimentaries of possible oil formations included in this anticline,

Probably a considerable less depth.

The fact that no proven oil well has as yet been discovered in Arizona is no indication that there should not be oil in this state as I have heretofore stated ,the various attempts made to drill have no bearing from a standpoint of a thorough test.

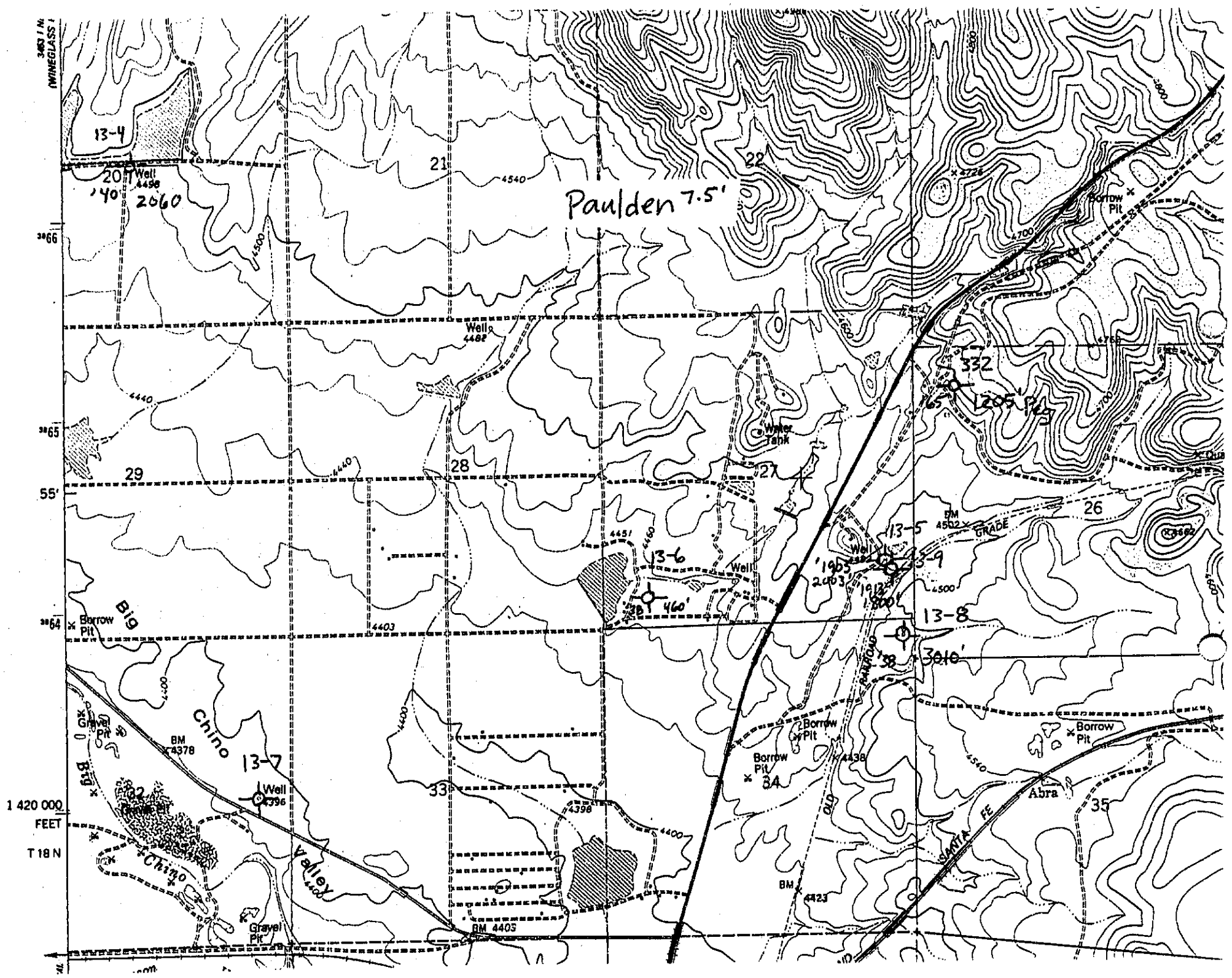
The nearest oil producing fields to this State are in Southern California. However, the indications in Chino Valley district can be likened to the field of the Colorado-Wyoming and Mid-Continent fields,as the California Oil Fields produce an asphaltic base oil, the indications here are of a Paraffine base. This is a very favorable point for the field as there is a wide margin between the price of Asphaltic and Paraffine base oils. High grade paraffine crude is today quoted at around $3 per barrel, while Asphalt is about $1,and it is a certainty that paraffine base oils will go higher as the production of the eastern fields is rapidly becoming exhausted, also the demand for the by-products of paraffine base are being more and more used in the manufacture of analyne dyes and other chemicals. hence, paraffine base oils will always command prices far in excess of the asphalt base crude.

In conclusion, I wish to say that in my experience covering nearly every oil field on this continent,I have never seen any other untested location that presented so many favorable features as this one. The geological conditions are correct, Gathering ground is of large area,the existence of oil in the Chino Valley well and the oil saturated rocks are conclusive evidence that there is oil. The formations are of the approximate age and character of the great mid-continent field,and finally,water is easily obtained and transportation close at hand.

Respectfully Submitted,

(Signed) E.RONALD SAGER,

Oil Geologist.


Paulden 7.5'
13-4
20
Well
4456
140'
2060
21
22
4540
4500
4660
4700
4726
Borrow Pit
Well
4482
Water Tank
332
1205'
29
28
27
26
4440
4451
4460
13-6
Well
460'
13-5
BM
4502
GRADE
13-9
1905
2003
1013
1800'
13-8
3010'
Big
Borrow Pit
4403
Chino
Gravel Pit
BM
4378
13-7
Well
4396
Big
Chino
Valley
33
4400
4398
Borrow Pit
4438
34
OLD
RAILROAD
Borrow Pit
Abra
35
SANTA FE
BM
4423
BM 4405
Gravel Pit
1 420 000
FEET
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55'

32 x 14