

O'BRIEN RESOURCES AZ-1 TEMP. GRAD. 788  
SE SW NE 20-16 $\frac{1}{2}$ N-19W MOHAVE CO.

ORGANIZATION REPORT

RECEIVED

JAN 7 1982

O & G CONS. COMM.

Full Name of the Company, Organization, or Individual

O'Brien Resources

Post Office Address (Box or Street Address)

154 Hughes Rd. Suite 4, Grass Valley, CA 95945

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual)

Corporation

Purpose of Organization (State type of business in which engaged)

Mineral exploration

If a reorganization, give name and address of previous organization.

If a foreign corporation, give (1) State where incorporated	(2) Name and post office address of state agent	(3) Date of permit to do business in state

Principal Officers or Partners (if partnership) NAME	TITLE	POST OFFICE ADDRESS
F. D. Corman	President	154 Hughes Rd., Ste. 4, Grass Valley
F. Dellechiaie	Vice President	" " "
W. Long	Vice President	" " "

DIRECTORS NAME	POST OFFICE ADDRESS

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice President of the O'Brien Resources (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

*Frank Dellechiaie*  
Signature

1-3-82  
Date

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Organization Report  
File One Copy  
Form No. 1





RECEIVED

JAN 11 1982

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

GEOHERMAL RESOURCE WELL

O & G CONS. COMM

DESIGNATE TYPE OF COMPLETION:

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  SAME RESERVOIR  DIFFERENT RESERVOIR  DRY STEAM  HOT WATER  DRY

DESCRIPTION OF WELL AND LEASE

OPERATOR O'Brien Resources ADDRESS 154 Hughes Rd. Suite 4, Grass Valley, CA. 95945

FEDERAL, STATE OR INDIAN LEASE NUMBER OR NAME OF LESSOR IF FEE LEASE no lease taken WELL NUMBER AZ-1 FIELD & RESERVOIR

LOCATION N. W. Arizona COUNTY Mohave

SEC. TWP-RANGE OR BLOCK & SURVEY NE 20 T16 1/2 N R19W

DATE SPUDDED Dec. 14, 1981 DATE TOTAL DEPTH REACHED Dec. 14, 1981 DATE COMPLETED, READY TO PRODUCE Dec. 14, 81 ELEVATION (DF. RKB. AT OR GR) 1600 FEET ELEVATION OF CASING HD. FLANGE FEET

TOTAL DEPTH 325 FT P.B.T.D. AIRDRILLED (INTERVAL) TD FLUIDDRILLED (INTERVAL)

PRODUCING INTERVAL (S) FOR THIS COMPLETION ROTARY TOOLS USED (INTERVAL) CABLE TOOLS USED (INTERVAL)

WAS THIS WELL DIRECTIONALLY DRILLED? No WAS DIRECTIONAL SURVEY MADE? WAS COPY OF DIRECTIONAL SURVEY FILED? DATE FILED

TYPE OF ELECTRICAL, TEMPERATURE, CEMENT BOND OR OTHER LOGS RUN (CHECK LOGS FILED WITH THE COMMISSION) DATE FILED

CASING RECORD

Table with 7 columns: PURPOSE, SIZE HOLE DRILLED, SIZE CASING SET, WEIGHT (LB./FT.), DEPTH SET, SACKS CEMENT, AMT. PULLED. Row 1: No casing set.

TUBING RECORD

LINER RECORD

Table with 8 columns: SIZE IN., DEPTH SET FT., PACKER SET AT FT., SIZE IN., TOP FT., BOTTOM FT., SACKS CEMENT, SCREEN (FT.).

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Table with 5 columns: NUMBER PER FT., SIZE & TYPE, DEPTH INTERVAL, AMT. & KIND OF MATERIAL USED, DEPTH INTERVAL.

INITIAL PRODUCTION

Table with columns for DATE, STATIC TEST SHUT IN WELL HEAD, ANALYSES OF FLUIDS & GASES (TOTAL MASS FLOW DATA, SEPARATOR DATA), and TEMPERATURE/PSIG.

CERTIFICATE: I, THE UNDERSIGNED, UNDER THE PENALTY OF PERJURY, STATE THAT I AM THE Vice President OF THE O'Brien Resources (COMPANY), AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT; AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

January 7, 1982

DATE

Frank Dellechiaie

SIGNATURE

F. DELLECHIAIE, VICE PRESIDENT - EXPLORATION

PERMIT NO.

788

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

FILE ONE COPY

FORM No. G-4

RECEIVED

JAN 11 1982

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

GEOHERMAL RESOURCE WELL

O & G CONS. COMMISSION

DESIGNATE TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] SAME RESERVOIR [ ] DIFFERENT RESERVOIR [ ] DRY STEAM [ ] HOT WATER [ ] DRY [X]

DESCRIPTION OF WELL AND LEASE

OPERATOR: O'Brien Resources; ADDRESS: 154 Hughes Rd. Suite 4, Grass Valley, CA. 95945

FEDERAL, STATE OR INDIAN LEASE NUMBER OR NAME OF LESSOR IF FEE LEASE: no lease taken; WELL NUMBER: AZ-1

LOCATION: N. W. Arizona; COUNTY: Mohave

SEC. TWP-RANGE OR BLOCK & SURVEY: NE 20 T16N R19W

DATE SPOUDED: Dec. 14, 1981; DATE TOTAL DEPTH REACHED: Dec. 14, 1981; DATE COMPLETED, READY TO PRODUCE: Dec. 14, 81; ELEVATION (DF, RKB, RT, OR GB) FEET: 1600; ELEVATION OF CASING HD. FLANGE FEET:

TOTAL DEPTH: 325 FT; P.B.T.D.; AIRDRILLED (INTERVAL) TD; FLUIDDRILLED (INTERVAL)

PRODUCING INTERVAL (S) FOR THIS COMPLETION; ROTARY TOOLS USED (INTERVAL); CABLE TOOLS USED (INTERVAL)

WAS THIS WELL DIRECTIONALLY DRILLED? No; WAS DIRECTIONAL SURVEY MADE?; WAS COPY OF DIRECTIONAL SURVEY FILED?; DATE FILED

TYPE OF ELECTRICAL, TEMPERATURE, CEMENT BOND OR OTHER LOGS RUN (CHECK LOGS FILED WITH THE COMMISSION); DATE FILED

CASING RECORD

Table with columns: PURPOSE, SIZE HOLE DRILLED, SIZE CASING SET, WEIGHT (LB./FT.), DEPTH SET, SACKS CEMENT, AMT. PULLED. Row 1: No casing set.

TUBING RECORD

LINER RECORD

Table with columns: SIZE IN., DEPTH SET FT., PACKER SET AT FT., SIZE IN., TOP FT., BOTTOM FT., SACKS CEMENT, SCREEN (FT.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Table with columns: NUMBER PER FT., SIZE & TYPE, DEPTH INTERVAL, AMT. & KIND OF MATERIAL USED, DEPTH INTERVAL

INITIAL PRODUCTION

Table with columns: DATE, STATIC TEST SHUT IN WELL HEAD, ANALYSES OF FLUIDS & GASES (TOTAL MASS FLOW DATA, SEPARATOR DATA), TEMP. OF, PRES. PSIG., LBS./HR., TEMP. OF, PRES. PSIG., ENTHALPY, ORIFICE, WATER CUPT/HR, STEAM LBS/HR, PRES. PSIG., TEMP. OF

CERTIFICATE: I, THE UNDERSIGNED, UNDER THE PENALTY OF PERJURY, STATE THAT I AM THE Vice President OF THE O'Brien Resources (COMPANY), AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT: AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

January 7, 1982

Signature: Frank Dellechiaie

F. DELLECHIAIE, VICE PRESIDENT - EXPLORATION

PERMIT NO. 788

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG FILE ONE COPY

FORM NO. G-1

Wells 1

DRY

RECEIVED

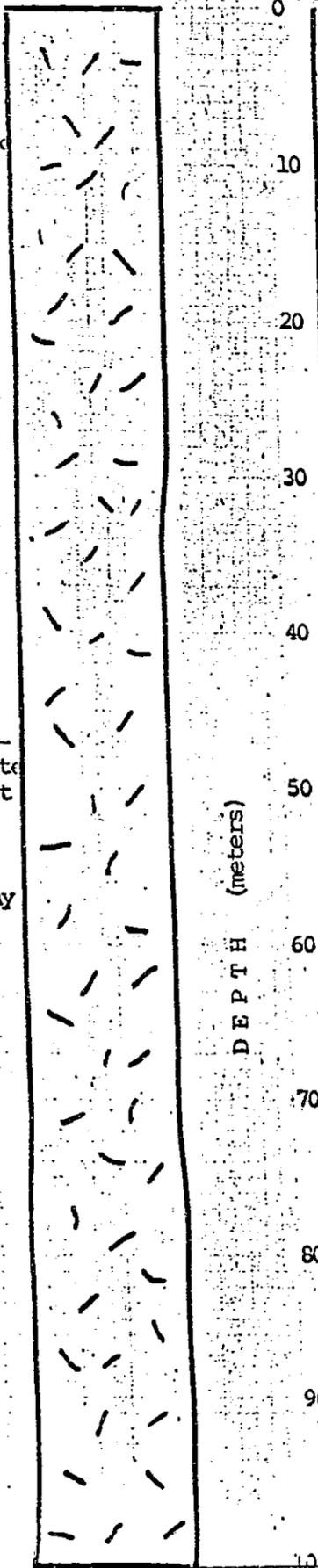
JAN 11 1982

O & G CONS. COMM.

Dark orange-brown, intermediate, medium grained volcanic rock

48.7-54.8 silicified intermediate volcanics, light pink in color

medium pink-gray intermediate volcanic rocks medium grained



APPLICATION FOR PERMIT TO DRILL OR RE-ENTER  
GEOHERMAL RESOURCES WELL

RECEIVED

JAN 7 1982

APPLICATION TO DRILL

RE-ENTER OLD WELL

O & G CONS. COMM.

O'Brien Resources		
NAME OF COMPANY OR OPERATOR		
154 Hughes Road	Grass Valley	CA 95945
ADDRESS CITY STATE		
Boyles Brothers Drilling		
DRILLING CONTRACTOR		
P.O. Box 946, Sparks, Nevada 98431		
ADDRESS		
DESCRIPTION OF WELL AND LEASE		
FEDERAL, STATE OR INDIAN LEASE NUMBER, OR IF FEE LEASE. NAME OF LESSOR	WELL NUMBER	ELEVATION (GROUND)
No lease taken	AZ 1	1600 ft.
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE:	DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING. COMPLETED OR APPLIED-FOR WELL ON THE SAME LEASE:	
N/A FEET	none FEET	
NUMBER OF ACRES IN LEASE:	NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL. COMPLETED IN OR DRILLING TO THIS RESERVOIR:	
no lease taken	none	
IF LEASE, PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED:	NAME	ADDRESS
N/A		
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)	SECTION-TOWNSHIP-RANGE OR BLOCK AND SURVEY	DEDICATION (COMPLY WITH RULE G-105)
SE 1/4 SW 1/4 NE 1/4 20	T 16 1/2 N R19W	
FIELD AND RESERVOIR (IF WILDCAT, SO STATE)	COUNTY	
Thermal gradient hole	Mojave	
DISTANCE, IN MILES, AND DIRECTION FROM NEAREST TOWN OR POST OFFICE		
21 miles East of Needles, CA		
PROPOSED DEPTH:	ROTARY OR CABLE TOOLS	APPROX. DATE WORK WILL START
330'	Rotary	Dec. 12, 1981
BOND STATUS AMOUNT	ORGANIZATION REPORT ON FILE OR ATTACHED	FILING FEE OF \$25.00 ATTACHED
\$100,000	yes	yes
REMARKS:		
CERTIFICATE: I, THE UNDERSIGNED, UNDER THE PENALTY OF PERJURY, STATE THAT I AM THE <u>Vice President</u>		
OF THE <u>O'Brien Resources</u> (COMPANY), AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT; AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.		
<i>Frank D. Keith</i>		
SIGNATURE		
1-3-82		
DATE		
PERMIT NUMBER: <u>788</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION	
APPROVAL DATE: <u>1-7-82 Verbal OK 12-14-81</u>	APPLICATION TO DRILL OR RE-ENTER	
APPROVED BY: <u>[Signature]</u>	FILE TWO COPIES	
NOTICE: BEFORE SENDING IN THIS FORM BE SURE THAT YOU HAVE GIVEN ALL INFORMATION REQUESTED. MUCH UNNECESSARY CORRESPOND- ENCE WILL TRUS. BE AVOIDED.	FORM NO. G-3	

(COMPLETE REVERSE SIDE)

1. OPERATOR SHALL OUTLINE THE DEDICATED ACREAGE FOR GEOTHERMAL RESOURCES WELLS ON THE PLAT.
2. A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF ARIZONA OR APPROVED BY THE COMMISSION SHALL SHOW ON THE PLAT THE LOCATION OF THE WELL AND CERTIFY THIS INFORMATION IN THE SPACE PROVIDED.
3. ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.
4. IS THE OPERATOR THE ONLY OWNER IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES \_\_\_\_\_ NO \_\_\_\_\_
5. IF THE ANSWER TO QUESTION FOUR IS "NO" HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES \_\_\_\_\_ NO \_\_\_\_\_. IF ANSWER IS "YES" TYPE OF CONSOLIDATION \_\_\_\_\_
6. IF THE ANSWER TO QUESTION FOUR IS "NO", LIST ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW:

Owner	Land Description																	
<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;"> <table border="1" style="width: 50px; height: 50px; border-collapse: collapse;"> <tr> <td style="text-align: center;">+</td> </tr> </table> </td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>							<table border="1" style="width: 50px; height: 50px; border-collapse: collapse;"> <tr> <td style="text-align: center;">+</td> </tr> </table>	+										<p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>
		<table border="1" style="width: 50px; height: 50px; border-collapse: collapse;"> <tr> <td style="text-align: center;">+</td> </tr> </table>	+															
+																		

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
none						



# PERMIT TO DRILL

This constitutes the permission and authority from the  
OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

To: O'BRIEN RESOURCES  
(OPERATOR)

to drill a well to be known as

AZ-1 (GEOHERMAL)

(WELL NAME)

located SE/4 SW/4 NE/4

Section 20 Township 16<sup>1</sup> NORTH Range 19 WEST, MOHAVE County, Arizona.

The N/A of said

Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 11th day of January, 1982.

OIL AND GAS CONSERVATION COMMISSION

By [Signature]  
EXECUTIVE SECRETARY

PERMIT No 788

RECEIPT NO. 2204

API NO. 02-015-20016

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

