

Suite 440 / 57 West South Temple
Salt Lake City, Utah 84101
Bus. Tel: (801) 359-3575
Res. Tel: (801) 295-1870

President: W. Don Quigley
Vice President: Margaret Quigley
Secretary: Sherrill L. Bateman



December 12, 1980

U. S. Geological Survey
2000 Administrative Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Bureau of Land Management
District Office
Price, Utah

RE: Request to Survey Well
Locations

Dear Sirs:

Megadon Energy Corporation is planning to drill two wells on the Geyser Dome Prospect (Ninemile Wash Area) southwest of Green River, Utah, to test the oil and/or gas production possibilities in the Hermosa (Pennsylvanian) and Leadville (Mississippian) formations. These wells will be located approximately in the SW $\frac{1}{4}$ of Section 14 and in the SW $\frac{1}{4}$ of Section 15, T 22S, R 15E, Emery County, Utah. The attached topographic map shows their approximate locations. These wells will be designated: Geyser Dome #1-14; and #1-15 respectively.

Permission to survey the locations for the designated wells is hereby requested. Your early reply will be appreciated.

Sincerely yours,

W. Don Quigley
President

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DEC 13 1980

DIVISION OF
OIL, GAS & MINING

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. U-18648
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME NA
8. FARM OR LEASE NAME GEYSER DOME
9. WELL NO. #1-14
10. FIELD AND POOL, OR WILDCAT WILDCAT
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE. SW. SEC. 14-22S-15E, SLM
12. COUNTY OR PARISH EMERY
13. STATE UTAH

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
2. NAME OF OPERATOR MEGADON ENTERPRISES		
3. ADDRESS OF OPERATOR STE. 440, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH ³⁴¹⁰¹		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface NE SW SECTION 14, T 22S, R 15E., SLM At proposed prod. zone 1980' FR. W-LINE AND 1980' FR. S-LINE		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* APPROXIMATELY 8 MILES S. W. OF GREEN RIVER, UTAH		
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	18. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1980'		160
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
2 MILES	8300'	ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4215' GRD; 4235' K.B.		22. APPROX. DATE WORK WILL START*

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.00#	40'	30 sks
11"	8 5/8"	36.00#	2900'	600+ sks <i>circulate to surf.</i>

IT IS PLANNED TO DRILL A WELL AT THE ABOVE LOCATION TO TEST THE OIL AND GAS PRODUCTIVE POSSIBILITIES OF THE MISSISSIPPIAN-LEADVILLE FORMATION AT A DEPTH OF APPROXIMATELY 8300' AND ALL OTHER FORMATIONS ABOVE THIS DEPTH. THE WELL WILL BE DRILLED WITH ROTARY TOOLS USING MUD-AIR-MUD, IN THAT SEQUENCE, FOR CIRCULATION. IT IS PLANNED TO SET ONE JOINT OF 13 3/8" CASING FOR A CONDUCTOR PIPE AND TO SET THE SURFACE CASING, 8 5/8", THRU THE WINGATE FORMATION WHICH IS KNOWN TO HAVE FRESH WATER IN THIS AREA. A BLOWOUT PREVENTER AND HYDRIL, WHICH IS HYDRAULICALLY OPERATED, WILL BE MOUNTED ON TOP OF THE 13 3/8" CASING HEAD FOR WELL CONTROL. IN THE EVENT OF PRODUCTION, 4 1/2" or 5 1/2" CASING WILL BE SET AND CEMENTED TO A POINT WHICH IS 200' ABOVE THE TOP OF THE SALT. SEE ATTACHED PROGNOSIS FOR DETAILS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *[Signature]* TITLE PRESIDENT **RECEIVED APRIL 15, 1981**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE APR 30 1981

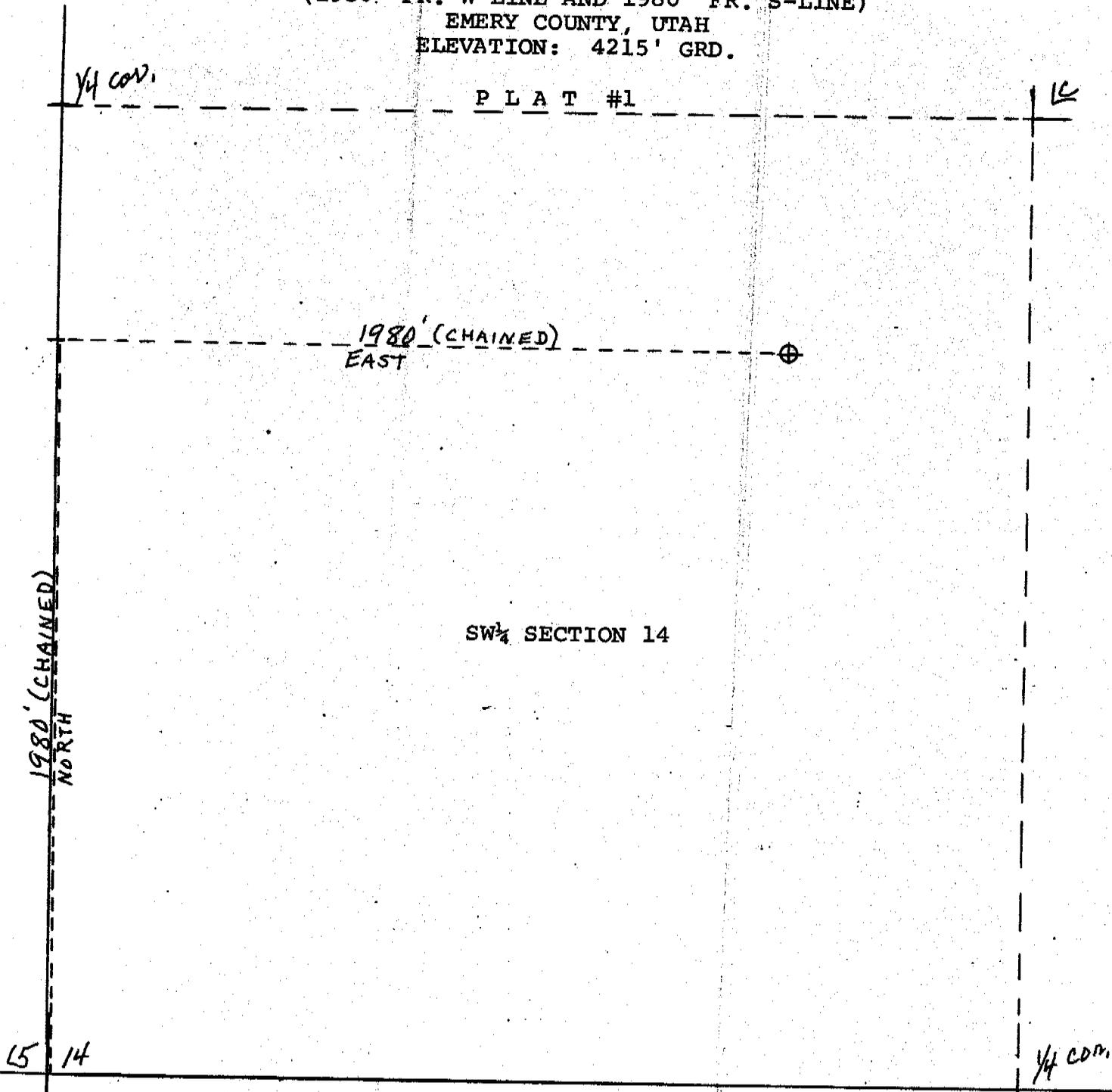
**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

APPROVED BY _____ DATE: 5-12-81

CONDITIONS OF APPROVAL, _____ BY: *[Signature]* On Reverse Side

DIVISION OF
OIL, GAS & MINING

LOCATION PLAT
FOR
GEYSER DOME #1-14 WELL
NE. SW. SECTION 14-22S-15E.
(1980' FR. W-LINE AND 1980' FR. S-LINE)
EMERY COUNTY, UTAH
ELEVATION: 4215' GRD.



SW 1/4 SECTION 14

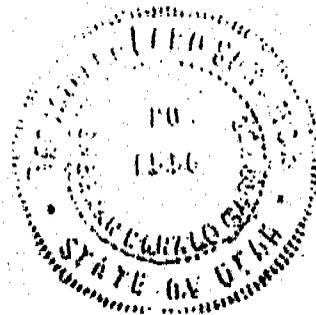
REFERENCE PTS: 200' N-S-E-W

SCALE: 400' = 1 inch
DATE: APRIL 22, 1981

I, Sherman D. Gardner, do hereby certify that this plot was plotted from notes of a field survey made under my direct responsibility, supervision, and checking on

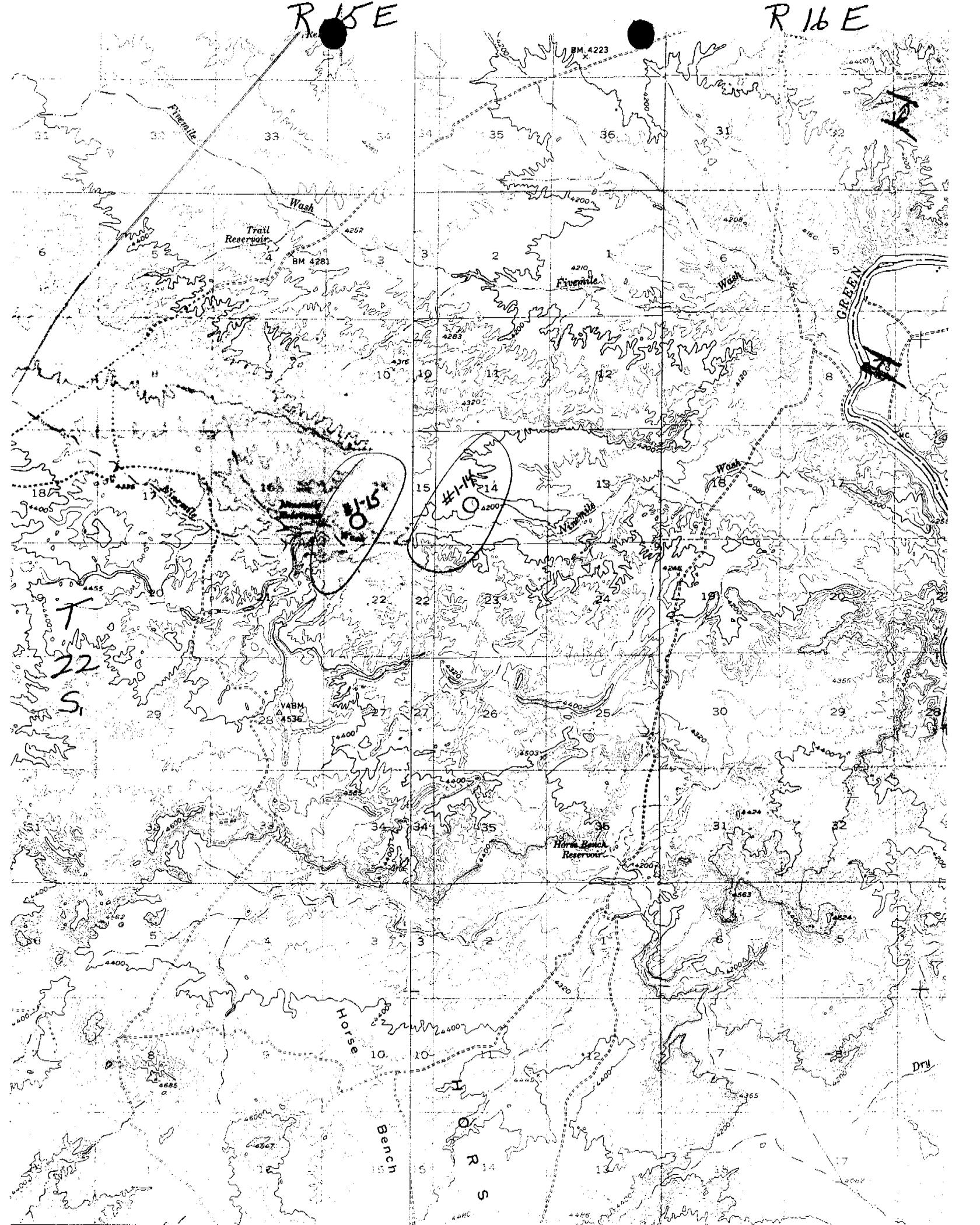
Sherman D. Gardner

Registered Land Surveyor
State of Utah #1556



ROSE

R 16 E



WELL PROGNOSIS
FOR
GEYSER DOME #1-14 WELL
EMERY COUNTY, UTAH

OPERATOR: Megadon Enterprises, Ste. 440, 57 West South Temple,
Salt Lake City, Utah 84101

LOCATION: NE. SW. Section 14, T 22S, R 15E, SLM, Emery County,
Utah (1980' from W-line and 1980' from S-line)

ELEVATIONS: 4215' Grd; 4235' K.B.

CONDUCTOR PIPE: 13 3/8", 48.00#, K-55 casing set at 40' and ce-
mented w/30 sks of reg. cement, returns to surface.

SURFACE CASING: 8 5/8", 36.00#, K-55, R-3 casing set at about 2900'
(thru Wingate) and cemented w/600 sks of reg cement w/re-
turns to the surface.

EXPECTED FORMATION TOPS:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Mancos	Surface	235'	4235' K.B.
Dakota	235'	100'	4000'
Cedar Mountain	335'	100'	3900'
Morrison	435'	500'	3800'
Summerville	935'	150'	3300'
Curtis	1085'	250'	3150'
Entrada	1335'	350'	2900'
Carmel	1685'	220'	2550'
Navajo	1905'	700'	2330'
Kayenta	2605'	80'	1630'
Wingate	2685'	230'	1550'
Chinle	2915'	230'	1320'
Shinarump*	3145'	70'	1090'
Moenkopi*	3215'	520'	1020'
Kaibab*	3735'	150'	500'
Coconino	3885'	480'	350'
Cutler-Rico	4365'	280'	-130'
Oquirrh	4645'	510'	-410'
Hermosa*	5155'	1060'	-920'
Desert Ck*	6215'	170'	-1980'
Paradox Salt	6385'	1300'	-2150'
Pinkerton Trail	7685'	400'	-3450'
Molas	8085'	30'	-3850'
Mississippian-Leadville*	8115'	---	-3880'
TOTAL DEPTH	8300'		

* Formation and members which may have hydrocarbon shows
and prospects

1. It is planned to set and cement one joint of 13 3/8" casing for a conductor pipe and then to drill a 11" surface hole for the surface casing to a depth of about 2900'. (This depth will be sufficient to set the casing thru the Wingate formation for the protection of possible loss-circulation in the area, and to protect the fresh water.) Casing, 8 5/8", 36.00#, K-55, R-3, will be run and cemented with 600 sks of cement with returns to the surface. The surface hole will be drilled with water and mud and a deviation of no more than 2° will be maintained. A casing head, Series 600, will be mounted on top of the casing and a blowout preventer with hydraulically operated blind and pipe rams, and a hydril, will be mounted on the casing head. Fill and kill lines will be connected thru a manifold to the casing head below the blind rams. Before the cement plug is drilled out of the surface casing, the BOP and hydril and surface casing will be tested to 2000# for leaks.
2. A 7 7/8" hole will then be drilled below the surface casing to a depth of about 6400', using air and/or air-mist for circulation. At this point, the air system may be changed over to a salt base mud to permit drilling the salt section below. All subsequent shows of hydrocarbons will be drill-stem-tested. Particular attention will be given to the Cane Creek Zone near the base of the salt section. This zone can be productive and is very susceptible to formation damage by the drilling fluids and cement. No barite (barium sulfate) is to be used at any time, if it can possibly be avoided.
3. The hole will be kept straight by drilling methods. Deviation surveys will be taken at 400' intervals. Maximum deviation will be kept below 6°, if possible, and the maximum drift between surveys will be 2°.
4. Samples of the cuttings will be taken at 20-ft. intervals, beginning at 1300', and continuing to a depth of about 6000' or when conversion to mud drilling is begun, then 10' samples will be taken.
5. The well will be drilled to a depth which is at least 200 ft. below the top of the Mississippian formation or to good commercial production. In the event of good production before the Mississippian is reached, the drilling may be discontinued at this point and 5 1/2" casing run to permit drilling deeper at a later date. The mud program will be supervised by the company representative.
6. At total depth, the well will be logged electrically; and a Gamma-Dual-Laterolog and a Gamma-Density-CNL log will be run. The gamma curve will be run all the way from total depth to the surface.

7. If production is obtained in the Mississippian, casing 4½", 11.60#, N-80, R-3 will be run from about 8300' to about 6300' and 4½", 11.60#, J-55 casing will be run from 6300' to surface, and cemented with about 350 sks of super strength cement. Sufficient cement to cover the salt section will be used.
8. A gamma-cement bond log will be run and the production zone perforated, 2 3/8" tubing run, and completed conventionally. It may be necessary to break down the formation with a weak acid treatment which would be swabbed out immediately after treatment.
9. The drilling of this well should take about one and a half months, and completion work should take about ten days.
10. No toxic gases are expected in this well and should require no special equipment.

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DIVISION OF
OIL, GAS & MINING

N T L - 6 P L A N R E P O R T

For

Well Name: GEYSER DOME #1-14

Location: NE, SW, SEC. 14, T 22S, R 15E, SLM, Emery County, Utah

1. Existing Roads: (See attached Maps)

A. Well Location: (See Plat #1)

Reference Stakes: 200' N-S-E-W

Perimeter Stakes: The above stakes outline the perimeter of the well

B. Route and Distance to Well Site From Reference Point: (See att. maps)

Take dirt road south out of Green River, Utah and along the river for about 7 miles to Ninemile Wash, then go 2½ miles west on new road to location.

C. Access Roads (Identify secondary roads to be used): (See att. maps)

The river road described above is a county road and is used for 7 miles and is crowned and ditched and is well travelled. The new road west from this road to the location is now a trail and is washed out in places. It will have to be widened, improved and ditched.

D. Roads Within 3 mile Radius: (See att. maps) Many of the roads are

trails and need repair or improving for continuous use. Most are used only by occasional traffic (ranchers, uranium prospectors, etc)

Surface type and conditions: Most of the secondary roads are on Mancos soil and cross washes, and which are now washed out. Some are soft and permit only 4-wheel drive vehicle travel.

E. Roads Within 1 mile Radius: (See att. maps) See D. Above.

All are trails and in poor shape. They are on Mancos surface of shale, bentonite, and some gravel.

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F. Plans for Road Improvement & Maintenance: The trail from the county

road to the location will have to be widened, ditched, and crowned.

Low water crossings at washes will be used. This road may be re-

F. routed some to provide for a more stable road bed.

2. Planned Access Roads: (See att. maps) Approximately 2½ miles of road will be constructed to the site.

(1) Width: 20 ft wide (disturbed width) with 16 ft. travel surface

(2) Maximum Grades: 6%

(3) Turnouts: None

(4) Drainage Design: Ditched on the sides, with channels to the side

(5) Location and Size of Culverts, Cuts, and Fills: No culverts. Low water crossings at the washes will be used.

(6) Surfacing Material: Natural surface material of clay, shale, and some gravel from Mancos erosion.

(7) Gates, Cattleguards, or Fence Cuts: None

(8) All new roads have been flagged as required.

3. Location of Existing Wells: (See Map No. 1)

(1) Water Wells: None

(2) Abandoned Wells: None

(3) Temporarily Abandoned Wells: None

(4) Disposal Wells: None

(5) Drilling Wells: None

(6) Producing Wells: None

(7) Shut-in Wells: None

(8) Injection Wells: None

(9) Monitoring or Observation Wells: None

4. Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1): Tank Batteries: (Size) None

(2) Production Facilities: None

(3) Oil gathering lines: None

(4) Gas gathering lines: None

(5) Injection lines: None

(6) Disposal lines: None

(7) Are lines buried? No

B. If new facilities are contemplated, in the event of production, show: (These facilities depend on the outcome of the proposed well and are really unknown at this time.) Show a general proposed plan. (See Plat No. 2)

(1) Are any facilities planned off well pad? None at this time. If gas, a pipeline would have to be constructed, but this would be considered later. If oil, the crude would be trucked out and a tank battery would be placed on the well pad.

(2) Give dimensions of facilities: See Plat #2

(3) Construction methods and materials: Tank batteries, painted light tan, will be placed on gravel pads and surrounded by a 3' high dike which is 15' from the sides of the tanks. Heater-treaters and pump jacks, if required, will be placed on concrete blocks or raised dirt and gravel pads. All pipe lines on the pad will be buried. Unused portions of the pad will be graded and reseeded. Any fluid pit will be diked and neatly contoured.

(4) Protective measures for livestock and wildlife: All open pits will be fenced with barbed wire, 4 strands, and covered with streamers to protect animals and birds. Pump jacks or rotating machinery will have guards to prevent danger of moving parts.

C. Plan for rehabilitation of disturbed areas no longer needed after drilling operations are completed: Well site will be cleaned, levelled,

C. and graded for production equipment; pits folded-in or fenced if pit still has fluid in it. It will be allowed to dry and be covered as soon as possible thereafter. Site will be re-contoured and seeded where possible.

5. Location & Type of Water Supply: (See att. maps)

A. Type of Water Supply: Water for drilling operations will be obtained from the river.

B. Method of Transporting Water: The water from the river will be hauled to the well site by truck. This is a distance of about 4 miles.

C. Is Water Well Planned? NO
If so, describe location, depth and formation: _____

6. Source of Construction Materials:

A. See attached map and describe: Only natural material in place (clay, shale, gravel, soil) will be used. None other is planned at this time.

B. Identify if Federal, Indian, or Fee Land: _____

C. Describe Material: (Where from and how used) _____

D. See item 1-C and 2 above.

7. Waste Disposal:

- (1) Cuttings: Will be placed in the reserve pit.
- (2) Drilling Fluids: Excess mud and water will be put in reserve pit.
- (3) Producing Fluids (oil or water) Oil in tanks, water will be placed in
- (4) Human Waste: pits initially.
Chemical toilets will be used.

(5) Garbage & Other Waste: A covered bin will be used and the garbage will be hauled to the city dump.

(6) Clean-up: (See item 10 below) All garbage and unburned debris will be buried by at least 3' of cover after the drilling and completion operations are finished. The unused material and all equipment will be removed from the site and taken to supply yards or to the next drill site, as soon as the well is completed.

8. Airstrips and/or Camp Sites (Describe): None

9. Well Site Layout: (See Plat No. 3)

(1) Describe cuts or fills: No large cuts or fills are required. The site is quite level and will require a minimum of work.

(2) Describe pits, living facilities, soil stockpiles: The reserve pit will be on the east side as shown and cut in native material to a depth of 4 ft. with banks of 6 ft. high made from the excavated material. Top soil over the pad and pit will be removed down to 12" deep first and piled on the north, south, and west sides. House trailers will be used for supervisory personnel.

(3) Rig Orientation, Pipe rack, Access Road Entrance, etc.: (See Plat #3) Rig will be oriented N-S with pipe racks to the south. The access road will be on the east side.

(4) Are Pits Lined? No

10. Plans For Restoration:

A. If Well is completed: Site will be cleaned, debris removed, pits folded-in or fenced with barbed wire if full of fluid, and site levelled for production equipment. All unused portions will be contoured, graded, scarred, and seeded with wheat and rice grass or acceptable mix authorized by the BLM.

B. If Well is abandoned:

(1) Clean-up, levelling, folding pits-in, contouring: These items will be done as soon as possible. Clean-up will be accomplished at the time the

- B. (1) rig is removed. The reserve pit, if full of fluid, will be fenced immediately and allowed to evaporate before folding-in.
- (2) Seeding location and access road: Site will be scarred with a dozer or spike tooth drag and the grass seed or seed mix authorized by BLM will be drilled to a depth of 1/2". The access road, if no longer needed, will be erased, scarred, and seeded as above. Water bars will be placed where needed.
- (3) Will pits be fenced or covered? If any amount of fluid is in the reserve pit, it will be fenced with barbed wire on the 4th side before rig is released and remain fenced until fluid evaporates.
- (4) Is there any oil in reserve pit? Should be none.
If so, describe disposal: If any oil in pit, it will be pumped out and removed before covering the pit.
- (5) When will restoration work be done? As soon as possible. Within 60 days after equipment is removed, if weather and availability of clean-up equipment permit, and will be completed within 10 days thereafter.

11. Description of Land Surface:

- (1) Topography & Surface Vegetation: The location is level and on Mancos surface of shale and clay. The vegetation is sage brush, shad scale, and grass.
- (2) Other Surface Activities & Ownership: This is federal land with some grazing by cattle and sheep. Uranium claims cover the area; but there are no current mining activities in the area. Bass enterprises and Sabine Corp. have the oil and gas leases and Megadon has a farmout from them.
- (3) Describe other dwellings, archaeological, historical, or cultural sites: There are no dwellings or known archaeological, historical, or cultural sites in the immediate area. An archaeological report will be provided. Wild life are mostly rabbits, prairie dogs, and field mice.

12. Operators Representative: (Address & Phone number)

W. Don Quigley, President
57 W. South Temple, Salt Lake City, Utah 84101 (801) 359-3575

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and that work associated with the operations proposed herein will be performed by MEGADON ENERGY CORPORATION and its contractors in conformity with this plan and terms and conditions under which it is approved.

Date: APRIL 18, 1981

Name: _____

Title: CONSULTANT

APR 30 1981

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DIVISION OF
MINE SAFETY AND HEALTH

MEGADON ENTERPRISES INCORPORATED
GEYSER DOME #1-14 WELL

C O N T E N T S

- REQUEST TO SURVEY
- DESIGNATION OF OPERATOR
- APD APPLICATION
- BONDING (Bass Enterprises, Perry Bass, & Sabine are all bonded)
- REQUEST FOR ARCHEOLOGICAL STUDY
- RIGHT-OF-WAY
- RIGHT -OF-WAY NOT APPLICABLE
- ON-SITE INSPECTION
- LEASE RENTALS PAID

I CERTIFY THE ABOVE CHECKED PROCEDURES HAVE BEEN TAKEN AS OF

4/28/81

SIGNED:

Shepherd F. Bateman

TITLE:

Sec. Lease

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DIVISION OF
OIL, GAS & MINING

WELL CONTROL EQUIPMENT FOR
GEYSER DOME #1-14 WELL
NE. SW. SECTION 14-22S-15E.
EMERY COUNTY, UTAH

The following control equipment is planned for the above designated well:

SURFACE CASING:

- A: Hole size for the surface casing is 12 $\frac{1}{4}$ ".
- B: Setting depth for surface casing is approximately 2900'.
- C: Casing specs. are: 9 5/8" O.D, J-55, 36.00#, 8-rd thread, new or used.
- D: Anticipated pressure at setting depth is approximately 1000 lbs.
- E: Casing will be run and cemented with 600 sks of cement and with returns to the surface.
- F: Top of casing will be at ground level.

CASING HEAD:

- A: Flange size: 10", API,
- B: Pressure Rating: 3000#; Series 900; Cameron, OCT, or equivalent; new or used; equipped with two 2" ports with nipples and 2", 3000# W.P. valves. Casing head and valves will be set above ground.

INTERMEDIATE CASING:

- A: None

BLOWOUT PREVENTERS:

- A: Double Rams: Hydraulic; one set of blind rams for 4" drill pipe; 10" flange; 3000# W.P; Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head and bolted down securely; pressure tested for leaks up to 2000#; Cameron, Shaffer, or equivalent. A hydril and rotating head will also be used.
- B: Fill and Kill Lines: To be connected to the 2" valve in the casing head and are to be heavy duty line pipe or tubing. The kill line will be connected to the mud pump and the flow line will be directed into the reserve pit.

AUXILLIARY EQUIPMENT:

- A: Float Valve: 3000# W.P; to be used in the bottom drill collar at all times.
- B: Kelly Valve: At least 3000# W.P; will be installed in the stand

pipe and a valve with proper sub will be available for stabbing in the drill pipe or drill collars.

ANTICIPATED PRESSURES:

A: Shut-In Pressure: The Mississippian formation at a depth of about 8300' has been recorded at about 3500#, in the Salt Wash Field. This will be the pressure that will be considered in the control program for the mud.

DRILLING FLUIDS:

A: Normal Mud or Air: Will be used to drill the well down to the top of the salt section of the Paradox Formation, which is expected at a depth of about 6300'.

B: Salt Base Mud: At a depth of about 6400', the fresh water mud or air will be converted to salt base mud to prevent wash-outs in the salt section. This will also give a mud weight of over 10#/gal which will provide for a hydrostatic pressure of about 4600# at 8000', which should be sufficient over balance to hold the pressure of the potential reservoir at this depth.

C: Toxic Gasses: None are anticipated.

PRODUCTION CASING:

A: Production Casing Hole Size: 7 7/8"

B: Setting Depth: Approximately 8300', which should be about 300' into the Mississippian formation.

C: Casing Specs: 4 1/2" OD; N-80 for lower 2000'; 11.60# for the upper 6000', J-55, R-3.

D: Cementing: Csg. will be run and cemented with approx. 600 sks in stages. The bottom of the casing, from 8300' to 6000' will be cemented first with about 200 sks, this will be allowed to set and then the rest of the cement will be used to cement the salt section. This will prevent undue hydrostatic pressures on the production zone. After the cement cures the casing will be set on slips in the casing head. Tubing, 2" OD, will be run, plugs will be drilled out, tubing will be set in tubing head which is securely bolted to the casing head, and then the well will be perforated under a water cushion at the proper intervals.

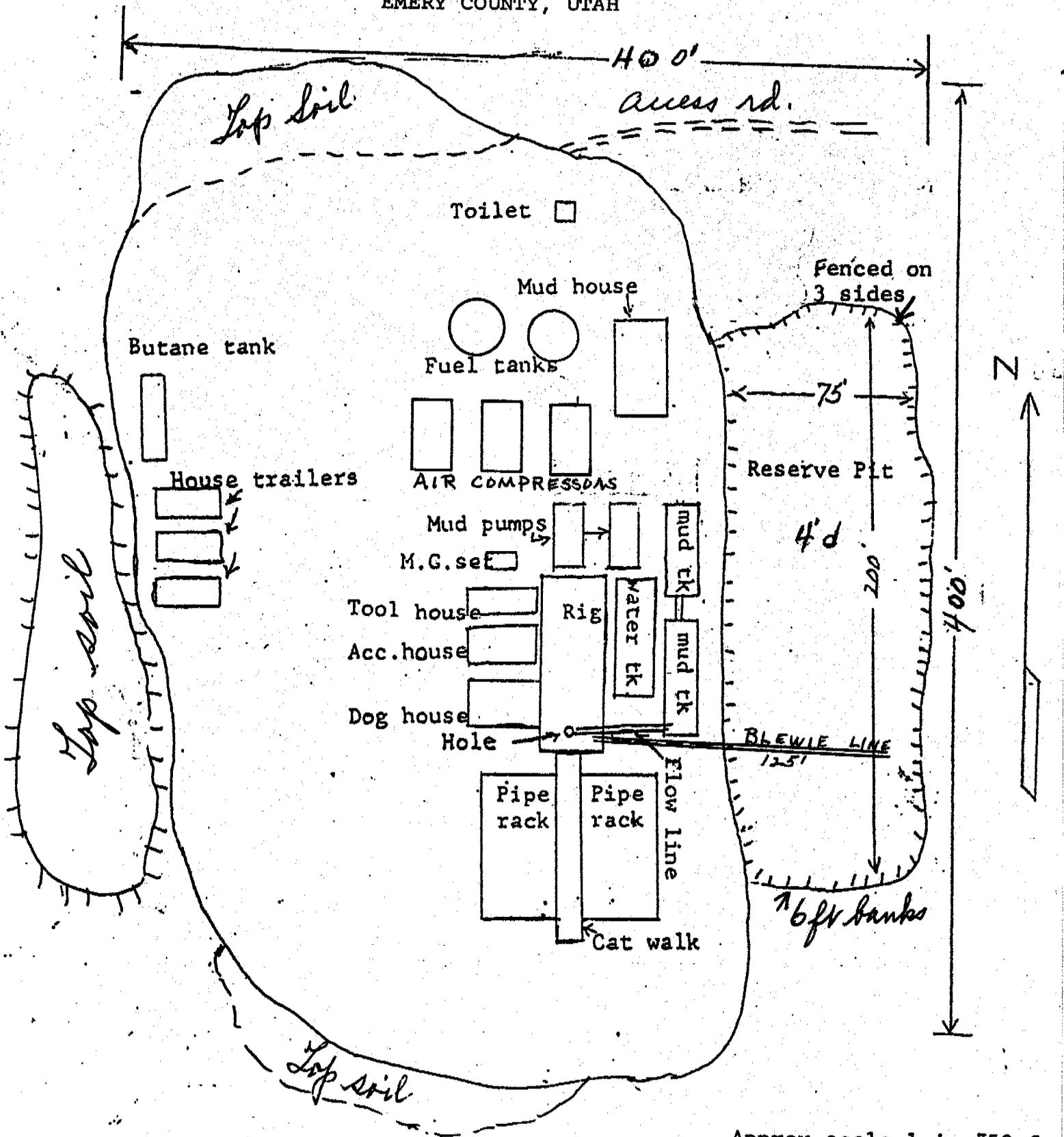
E: Production Casing Pressures: Pressures involved in the production casing should not be greater than 3500# in the Mississippian formation at about 8000' and about 3900# in the Pennsylvanian-Paradox formation at 6000' to 7500'.

APR 30 1951
TOP
OIL-GAS-WATER

DRILLING EQUIPMENT LAYOUT

FOR

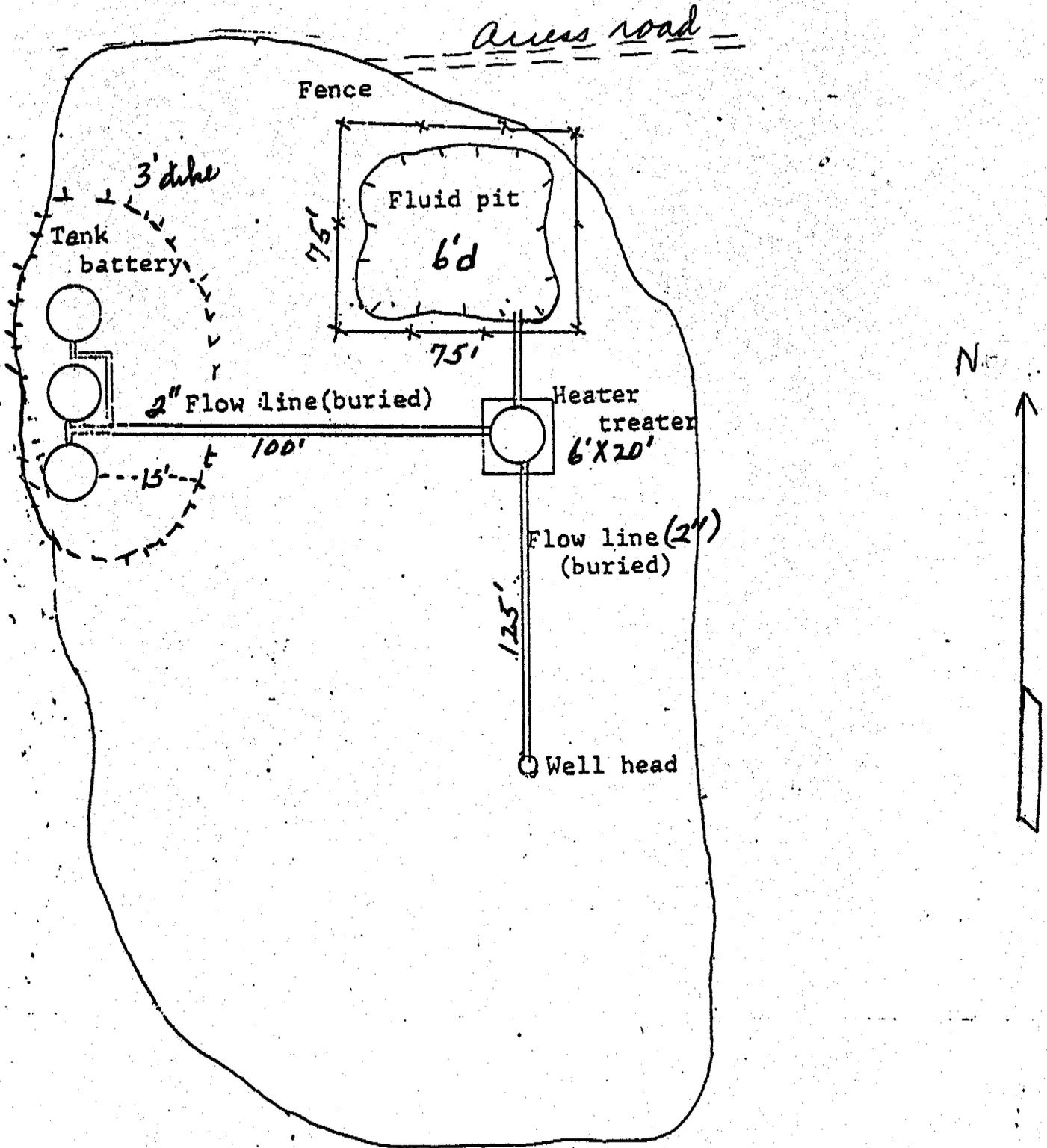
GEYSER DOME #1-14 WELL
NE. SW. SECTION 14-22S-15 E.
EMERY COUNTY, UTAH



Approx. scale: 1 in. = 50 ft

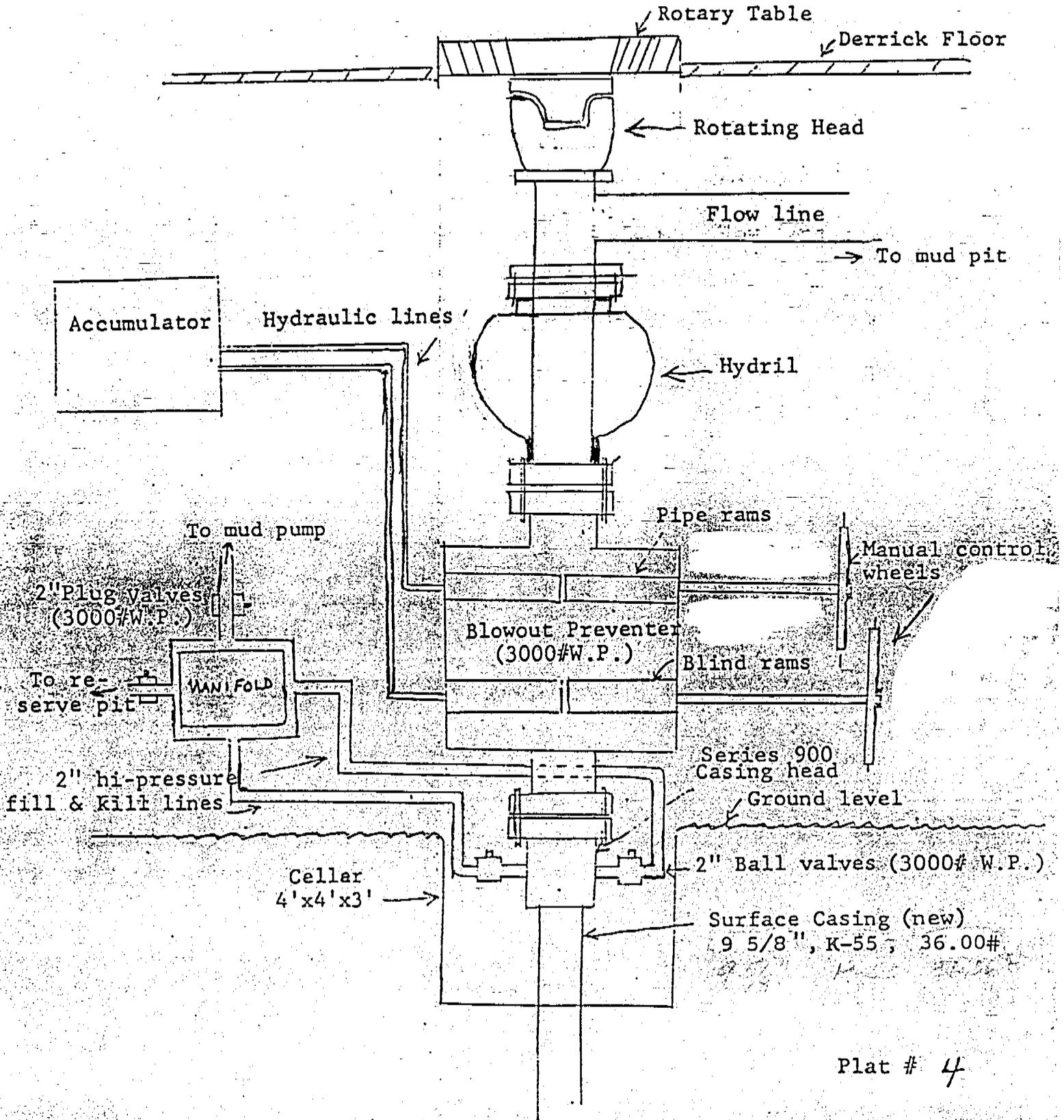
PLAT NO. 3

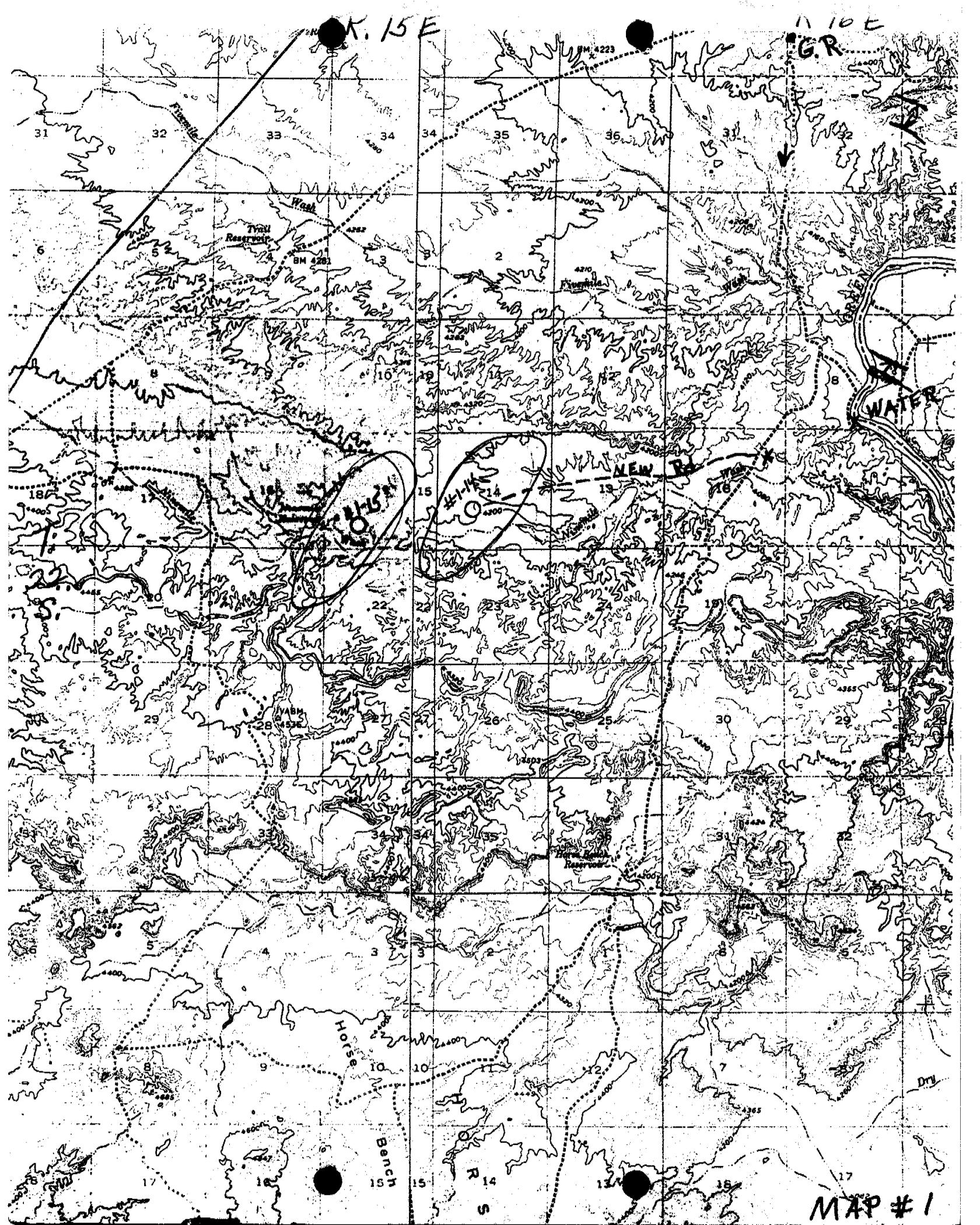
PLAN FOR PRODUCTION EQUIPMENT
FOR
GEYSER DOME #1-14 WELL
NE. SW. SECTION 14-22S-15E.
EMERY COUNTY, UTAH



Approx. scale: 1 in. = 50 ft.

SCHEMATIC DIAGRAM OF
 CONTROL EQUIPMENT FOR THE
 GEYSER DOME #1-14 WELL
 SECTION 14-22S-15E. NE. SW.
 EMERY COUNTY, UTAH





K. 15 E

G.R.

Tyall Reservoir

NEW RA

Horse Bench

MAP # 1

** FILE NOTATIONS **

DATE: 5-5-81
OPERATOR: Megadon Enterprises
WELL NO: Leyser Dome #1-14
Location: Sec. 14 T. 22S R. 15E County: Emery

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-015-30079

CHECKED BY:

Petroleum Engineer: M.S. Minder 5-12-81

Director: _____

Administrative Aide: OK as per C-3 spacing, OK on landry's / OK on any other oil & gas wells.

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation FED Plotted on Map

Approval Letter Written

Hot Line P.I.

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 11-18648

OPERATOR: Megadon

WELL NO. 1-14

LOCATION: C NE 1/4 SW 1/4 sec. 14, T. 22S., R. 15E., SLM

Emery County, Utah

1. Stratigraphy:

Marcos surface
 Dakota 235'
 Cedar Mtn. 335'
 Morrison 435'
 Sumnerville 935'
 Curtis 1085'
 Entrada 1335'
 Carmel 1685'

Navajo 1905'
 Kayenta 2605'
 Wingate 2685'
 Chinle 2915'
 Shinarump 3145'
 Moenkopi 3215'
 Kaibab 3735'

Cocconino 7885'
 Cutler-Rico 9365'
 Oquirrh 4645'
 Hermosa 5155'
 Desert Creek 6215'
 Paradox Salt 6385'
 Molas 8085'
 Mississippian 8115'
 -Leadville

2. Fresh Water:

Fresh water may be present from surface to the Chinle.

TD 8300'

3. Leasable Minerals:

Coal: Dakota (thin, lenticular beds)
 NaCl: Paradox
 Potash: Paradox

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 5-7-81

May 18, 1981

Megadon Enterprises
Suite 440
57 West South Temple
Salt Lake City, Utah 84101

Re: Well No. Geyser Dome 1-14
Sec. 14, T. 22S, R. 15E, NE SW
Emery County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

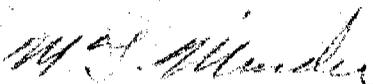
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30079.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

MTM/ko
cc: USGS

DUPLICATE

SUBMIT IN **DUPLICATE***
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-18648

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
GEYSER DOME

9. WELL NO.
#1-14

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE. SW. SEC. 14-22S-15E SLM

12. COUNTY OR PARISH
EMERY

13. STATE
UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
MEGADON ENTERPRISES

3. ADDRESS OF OPERATOR
STE. 440, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **NE. SW. SECTION 14, T 22S, R 15E., SLM**
At proposed prod. zone **1980' FR. W-LINE AND 1980' FR. S-LINE**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROXIMATELY 8 MILES S. W. OF GREEN RIVER, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	1980'	16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL	160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	2 MILES	19. PROPOSED DEPTH	8300'	20. ROTARY OR CABLE TOOLS	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4215' GRD; 4235' K.B.

22. APPROX. DATE WORK WILL START*

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.00#	40'	30 sks
11"	8 5/8"	36.00#		600 sks

IT IS PLANNED TO DRILL A WELL AT THE ABOVE LOCATION TO TEST THE OIL AND GAS PRODUCTIVE POSSIBILITIES OF THE MISSISSIPPIAN-LEADVILLE FORMATION AT A DEPTH OF APPROXIMATELY 8300' AND ALL OTHER FORMATIONS ABOVE THIS DEPTH. THE WELL WILL BE DRILLED WITH ROTARY TOOLS USING MUD-AIR-MUD, IN THAT SEQUENCE, FOR CIRCULATION. IT IS PLANNED TO SET ONE JOINT OF 13 3/8" CASING FOR A CONDUCTOR PIPE AND TO SET THE SURFACE CASING, 8 5/8", THRU THE WINGATE FORMATION WHICH IS KNOWN TO HAVE FRESH WATER IN THIS AREA. A BLOWOUT PREVENTER AND HYDRIL, WHICH IS HYDRAULICALLY OPERATED, WILL BE MOUNTED ON TOP OF THE 13 3/8" CASING HEAD FOR WELL CONTROL. IN THE EVENT OF PRODUCTION, 4 1/2" or 5 1/2" CASING WILL BE SET AND CEMENTED TO A POINT WHICH IS 200' ABOVE THE TOP OF THE SALT. SEE ATTACHED PROGNOSIS FOR DETAILS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *R. A. Henricks* TITLE **PRESIDENT** DATE **APRIL 15, 1981**

PERMIT NO. _____ APPROVAL DATE FOR **E. W. GUYNN** DISTRICT ENGINEER DATE **MAY 29 1981**

APPROVED BY **(Orig. Sgd.) R. A. Henricks** TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

state 04 82

United States Department of the Interior
Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name MEGADON ENTERPRISES

Project Type OIL WELL

Project Location NE 1/4 SW 1/4 Sec 14 T22S R15E

Date Project Submitted 4-30-81

FIELD INSPECTION

Date 5-15-81

Field Inspection
Participants

GEORGE DIWACHAK USGS

MERV MILES, LAUREL HUGHES BLM

DON QUIGLEY, FRED POOL MEGADON

EDDIE BOYD CANYONLAND CONTRACTING

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

5/28/81

Date Prepared

George J. Diwachak
Environmental Scientist

I concur

MAY 28 1981

Date

W.P. Mantus FOR
District Supervisor

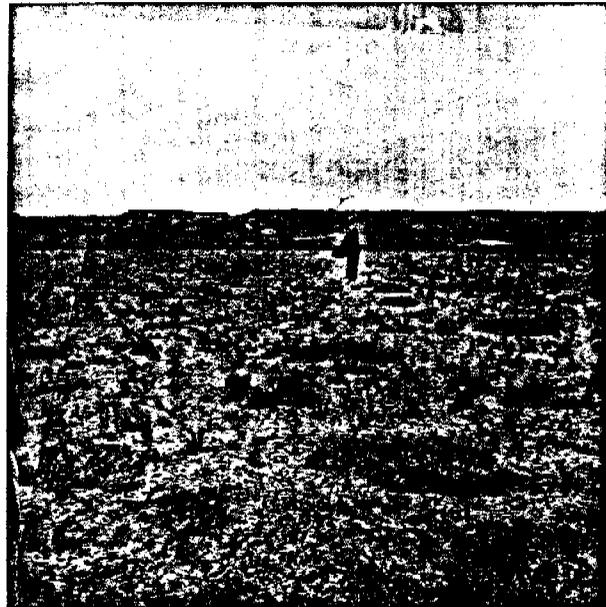
E. W. GUYNN
DISTRICT ENGINEER

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety	1 (5-14-81)						6	6 (5-15-81)	4,8,9
2. Unique characteristics	1					2		6	4,8,9
3. Environmentally controversial	1							6	4,8
4. Uncertain and unknown risks	1							6	4,8
5. Establishes precedents							6	6	4,8
6. Cumulatively significant							6	6	4
7. National Register historic places	1								
8. Endangered/threatened species	1								
9. Violate Federal, State, local, tribal law	1						6	6	4,8

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input , *INCLUDING RECOMMENDED STIPULATIONS*
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation *INCLUDING FIELD NOTES*
7. Private Rehabilitation Agreement
8. *RECOMMENDED STIPULATIONS (USGS)*
9. *PRIVATE LAND USE AGREEMENT*



MEGADON #1-14

↑
S

RECOMMENDED STIPULATIONS

1. SEE BLM STIPULATIONS (DATED MAY 19, 1981)
2. TOPSOIL WILL BE WINDROWED AROUND THE NORTH, WEST AND SOUTH EDGES OF THE LOCATION
3. ADEQUATE VOLUMES OF CEMENT WILL BE USED IN CEMENTING SURFACE CASING TO INSURE CIRCULATION TO SURFACE
4. ANY POTASH ZONES LOCATED IN THE PARADOX FORMATION SHALL BE ISOLATED WITH CEMENT FROM A POINT 100 FT BELOW THE FORMATION TO 100 FT ABOVE THE FORMATION .

George



United States Department of the Interior

IN REPLY REFER TO
3100
U-18648
(U-067)

BUREAU OF LAND MANAGEMENT

Moab District
San Rafael Resource Area
P. O. Drawer AB
Price, Utah 84501

May 19, 1981

Memorandum

To: District Engineer, USGS

From: ~~Acting~~ Area Manager, San Rafael

Subject: Additional Surface Management Requirements for APD's -
Megadon Energy Corporation - Well No. 1-14,
Section 14, T. 22 S., R. 15 E.

Following the onsite inspection held May 15, we would like to have the following stipulations made part of the approved permit to drill. Also, a copy of the stipulations (Attachment A) for road Right-of-Way U-84037 is enclosed.

1. The BLM San Rafael Resource Area will be notified 48 hours before beginning any construction (phone: 801-637-4584; 784-2249 after hours).

2. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS/USFS oil and gas brochure entitled "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of topsoil, rehabilitation, etc.

3. ~~Top~~ Soil to a depth of 12 inches (approximately 6,000 cu. yds.) shall be stockpiled. When drilling is completed, land will be returned to original contour before topsoil is respread.

WINDROWED ←

4. Seeding shall take place from October 15 to February 15. Seeding method shall be as proposed in the application and shall be repeated until vegetation is successfully established unless otherwise approved in writing by the Authorized Officer. The following seed mixture shall be used:

<u>Grass</u>	<u>Rate</u>
Indian ricegrass	3 lbs per acre
Crested wheatgrass	3 lbs per acre
<u>Legumes</u>	
Yellow clover	3 lbs per acre

5. Road shall be a single lane road not to exceed 20 feet (disturbed area) with 16 feet travel surface.
6. All vehicle travel will be confined to existing roads. Off road travel is prohibited.
7. Trash will be contained in a wire cage or drum and hauled to an approved dump site.
8. A chemical toilet shall be provided at the drill site. Pit toilets will not be allowed.
9. The Holder shall follow accepted engineering practices in constructing roads and avoid excessive scarring or removal of vegetation.
10. Drainages shall not be plugged by roadbeds. Drainage crossings shall be constructed so as not to cause siltation or accumulation of debris. Where siltation or accumulation of debris occurs, the drainage crossing shall be reworked or relocated.
11. Broad-based drainage dips shall be constructed on long, steep road grades. Dips may be installed after temporary roadbeds have been constructed or during construction of permanent roads.
12. Low water crossings shall be used in temporary roads where road locations are more than one-half mile below the head of a drainage.
13. Access roads to well site shall be rehabilitated as shown in the Surface Use Standards and as required by the surface management agency's Authorized Officer.
14. If the road becomes a permanent road, the following apply:
 - a. All permanent roads shall be constructed and maintained in good condition for vehicles. Roadway grades and widths for permanent roads must be approved.
 - b. Only one permanent road will be allowed to serve the lease area with one permanent road to each well.

An archeological evaluation was done by Archeological-Environmental Research Corporation for Megadon Energy Corporation. We have not received the report as yet but the archeologist verbally advised us that no cultural resources were observed or recorded in the field and no National Register status sites will be affected by the drilling program. The cultural clearance is granted with the following stipulations:

1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to access roads leading into these locations.
2. All personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area.
3. Should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area, the BLM will be notified immediately.

No threatened or endangered plant or animal species are known to inhabit the area.

No public land near the proposed drilling area is subject to the Wilderness Interim Management guidelines.

If the well is a dry hole but water is found, we would like to be advised of the depth the water is found and determine if we would like the water developed.

A handwritten signature in black ink, appearing to read "David Orr". The signature is written in a cursive style with a large, sweeping initial "D".

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-18648
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MEGADON ENTERPRISES

3. ADDRESS OF OPERATOR
STE. 240, 57 WEST SO. TEMPLE, SALT LAKE CITY, UTAH

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
NE. SW. SECTION 14, T 22S, R 15E, SLM.
1980' FR. W-LINE AND 1980' FR. S-LINE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4215' GRD; 4235' K.B.

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
GEYSER DOME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA
NE. SW. SEC. 14-22S-15E. SLM.

12. DIVISION OF MINING, U.S. STATE
UTAH

RECEIVED
DIVISION OF MINING
OIL & GAS

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) INFORMATION
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

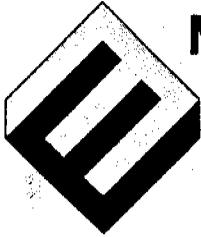
THE SUBJECT WELL WAS SPUDDED IN ON JUNE 25, 1981 BY TOM PATTERSON'S SPUDDING RIG #1. ONE JT. OF CSG. (13 3/8", 40') WAS SET FOR CONDUCTOR PIPE. A RAT HOLE AND MOUSE HOLE WERE DRILLED. REPUBLIC #9 DRILLING RIG WILL MOVE IN AND COMMENCE DRILLING IN APPROXIMATELY 14 TO 21 DAYS.

18. I hereby certify that the foregoing is true and correct
SIGNER Michael Bateman TITLE SECRETARY/TREASURER DATE JUNE 28, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



MEGADON ENTERPRISES, INC.

309 Guaranty Bank Building • 817 17th St. • Denver, Colorado 80202 • (303) 573-0093
57 West South Temple • Salt Lake City, Utah 84101 • (801) 359-3575

GEYSER DOME #1-14 WELL

COMPLETION HISTORY

- Mar. 15: Moved in Monument Well Service Rig #3. Rig arrived at 0900. Rigged up by noon. Set mud tank and pump. Unloaded BOP and accumulator. Power Swivel arrived. Unloaded 119 jts of 2 3/8" tbg. (3709'). Ran 114 jts of tubing in hole (3535') and hit soft cement. Came out of hole with tubing. Sent crew home at 1800 hrs.
- Mar. 16: Crew arrived. Installed spool (11"-3000# to 6"-5000#) and BOP on well head flange. (Dotco spool). Had trouble with rams on BOP and had to reset them. Went in hole with bit and casing scraper. Blew hydraulic hose and tongs and had to replace nose (1 1/2 hrs). Tagged cement at 3535' and rigged up pump and power swivel. Broke circulation (800# psi) and began drilling out cement at 1430 hrs. Had heavy mud in casing. Drilled cement to 3692' and hit float collar. Circulated for 30 minutes and rigged down power swivel. Sent crew home at 1900 hrs.
- Mar. 17: Crew arrived at 0800 hrs. Pulled 5 stds and rigged up to swab. Began swabbing at 0900 hrs. Swab went down slow in heavy mud. Swabbed till 1530 hrs. and swabbed fluid down to 1540'. Came out of hole with tubing and rigged up welex to log hole. Ran CBL log from 3690' to 3000'. Finished logging at 1900 hrs. went in hole with casing gun with super jets and perforated casing at 3618' to 3628' and 3632' to 3638' with 2 sn/ft. Finished perforating at 1945 hrs. Sent crew home at 2000 hrs. Cost to date is \$26,475.
- Mar. 18: Crew arrived at 0800 hrs. Went in hole with MSOT. Packer (Model T-32 Tension packer) with seating nipple on top. Set packer at 3550' and put 18,000# tension on packer. Rigged up to swab. Began swabbing at 0930 hrs. 2000' fluid in hole. Swabbed fluid down in 2 runs. Made additional runs and recovered no fluid or gas. Called Dowell for 750 gal of 7 1/2% MSA acid. Dowell arrived at 1530 hrs. Pumped in acid at 45 bbl/min rate. Formation broke down at 3500# and pumped in at 1900#. Displacement was 15 bbls. Shut in for 15 min. 5 min. shut in = 0#; 15 min shut-in = 0#. Rigged Dowell down and rigged up to swab at 1700 hrs. Made 5 runs and recovered load and acid water. sent crew home and shut well in at 1900 hrs. Daily cost = \$6,950.
- Mar. 19: Crew arrived at 0800 hrs. No pressure on tubing. Began

swabbing. Fluid level at 500' below surface. First 5 runs recovered acid water and reduced fluid level to about 3300ft. Swabbed continuously until 1030 hrs. and then began making a run every $\frac{1}{2}$ hr and recovered about 1 bbl fluid (600') each run. Last run made at 1730 hrs. Est. recovered about 60 bbl fluid to date (33 bbl of acid and load water plus 35 bbl of formation water). No gas or oil shows. Sent crew home at 1800 hrs. Shut well in for night. Daily cost = \$2450.

Mar. 20: Crew arrived at 0800 hrs. Tubing pressure = 20#. Began swabbing. Fluid level at surface. Pulled 7 bbl water on first run. Swabbed fluid down in 4 runs (15 bbl water). No show of oil or gas. Strong rotten odor to water. Began swabbing at $\frac{1}{2}$ hr. intervals at 0900 hrs. Recovered approx. 1 bbl fluid each run. Made last run at 1400 hrs. Recovered about 35 bbl water today. No show of oil or gas. Daily cost = \$2100. Total to date is \$37,975. Sent crew home at 1430 hrs.

Mar. 21: Sunday - didn't work

Mar. 22: Crew arrived at 0800 hrs. No tubing pressure. Fluid level at surface. Swabbed down in four runs. Recovered about 15 bbl water with no show of oil or gas. Unseated packer and started out of hole at 1000 hrs. Laid down packer and went back in hole with tubing (open ended). Landed tubing at 3700'. Riggged down BOP and casing spool. Sent packer, spool, bolts, and ring gasket to Grd. Jct. with MSOT truck.

1230-1400 hrs: waiting on cementers. Placed cement plugs as follows:

Plug #1: 3700-3550' (150') 30 sks across perf's.
 Plug #2: 2650-2500' (150') 50 sks across casing hanger
 Plug #3: 0' to 60' (60') 20 sks at surface

Finished plugs at 1800 hrs. Sent crew home. Daily cost = \$5,250. Total cost = \$43,225.

Geologic Comments

The above completion work on the Geyser Dome #1-14 in the upper Coconino formation was unsuccessful in obtaining any amount of gas or oil. A small amount of sulphurous smelling, non-saline water, approximately 2 bbl per hr., was obtained from swabbing after the zone was broken down with 750 gal. of 7½% MSA acid. It is fairly obvious that the saturation observed in the samples and the shows of oil on the water while mist-drilling indicated that the oil was

present at one time but has since been flushed out by fresh water, probably from the nearby uplifted San Rafael Swell where the Coconino is exposed to surface waters and the San Rafael River.

According to the seismic data, the Coconino in the area of the subject well was shown to have a reversal and closure against a fault to the south. This same condition was indicated on the top of the Mississippian-Leadville formation. Unfortunately, the structure indicated by the seismic data was not confirmed by the well data. It is doubtful that the fault to the south exists and the seismic highs may actually be structural lows due to increased salt thickness over the highs.

Attempts to complete subject well should probably have been made in some of the clastic zones in the Paradox section due to the shows and gas readings obtained while drilling and the favorable indications on the E-logs. The zones from 7600' to 7620' and 7710' to 7740' had good shows in the cuttings, good gas kicks (400 to 700 units) and appear favorable on the logs. However, straddle tests of zones were not particularly favorable. The test over the 7600' was only partially successful due to possible blockage and failure of the tool to close.

It is concluded that the subject well, whereas unsuccessful, did suggest that such zones as the Desert Creek, plus one or two of the clastic zones in the Paradox could be productive in another location farther to the south. It is also possible that the Mississippian due to the rapid and abrupt changes in the thickness of the salt zone could also be productive at another location. A second test on the Geyser Dome block, at least to the Desert Creek, is definitely justified.


W. Don Quigley
Consultant

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Megadon Enterprises

WELL NAME: Gyser Dome #1-14

SECTION NE SW 14 TOWNSHIP 22S RANGE 15E COUNTY Emery

DRILLING CONTRACTOR Republic Drilling

RIG # 9

SPUDDED: DATE 7-29-81

TIME 5:00 p.m.

How rotary

DRILLING WILL COMMENCE _____

REPORTED BY Sheryl Bateman

TELEPHONE # 359-3575

DATE 8-3-81 SIGNED DB

NOTICE OF SPUD

RECEIVED

JUL 30 1981

DIVISION OF
OIL, GAS & MINING

Caller: Sherrill Bateman
Phone: Megadon Enterprises
Well Number: Super 1-14
Location: 14-22S-15E NE SW
County: Grand State: Utah
Lease Number: U-18648

Lease Expiration Date: _____

Unit Name (If Applicable): N/A

Date & Time Spudded: 7-28-81 - 4:00 Pm.

Dry Hole Spudder/Rotary: Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

mouse hole, rat hole, 40' conductor pipe
12 1/4" surface hole. 2,000-2900 surface casing

Rotary Rig Name & Number: Republic #9

Approximate Date Rotary Moves In: 7-27-81

FOLLOW WITH SUNDRY NOTICE

Call Received By: Diane

Date: 7-29-81

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-18648

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MEGADON ENTERPRISES INC.

3. ADDRESS OF OPERATOR
57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

NE.SW. SECTION 14, T 22S, R 15E, SLM
1980' FR. W-LINE AND 1980' FR. S-LINE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4215' GRD; 4235' K.B.

9. WELL NO.

#1-14

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

NESW. SEC. 14-22S-15E.
SLM

12. COUNTY OR PARISH

EMERY

13. STATE

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

INFORMATION

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THE SUBJECT WELL WAS DRILLED TO A TOTAL DEPTH OF 9110' ON SEPT. 27, 1981. IT WAS THEN DECIDED TO PLUG BACK THE WELL TO 3800'. CEMENT PLUGS WERE PLACED AS FOLLOWS:

PLUG #1: 9000-8700' (300') 100 sks - across Mississippian-Leadville formation

PLUG #2: 8350-8150' (200') 125 sks - across base of salt

PLUG #3: 7400-7300' (100') 40 sks - In middle of salt section

PLUG #4: 6350-6200' (150') 110 sks - across top of salt

PLUG #5: 5300-5200' (100') 100 sks - across top of Hermosa formation

PLUG #6: 4000-3800' (200') 65 sks - In Coconino formation

CASING WAS THEN RUN, 27 JTS OF 5 1/2", 17#, J-55 (1116'), AND LANDED ON CASING HANGER AT 3740' K.B. CASING HANGER AT 2618' INSIDE 9 5/8" CASING SET ORIGINALLY TO 2728'. CEMENTED LINER WITH 275 SKS OF RFC CEMENT.

COMPLETION WORK WILL BEGIN AS SOON AS A COMPLETION RIG BECOMES AVAILABLE.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE PRESIDENT

10-6-81

(This space for Federal or state office use)

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

APPROVED BY

TITLE

DATE 10-15-81

CONDITIONS OF APPROVAL, IF ANY:

BY: *M. J. Minder*



MEGADON ENTERPRISES, INC.

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GEYSER DOME #1-14 WELL DRILLING HISTORY

NE. SW. SECTION 14-22S-15E.
EMERY COUNTY, UTAH

- July 29: Rigging up. Drilled rat hole and mouse hole. Waited on power swivel. Moved in and started rigging up on 7/28/81.
- July 30: Drilled 30' to 419' (389') with clear water. Drilled 23½ hrs with ½ hr. rig service. Drilling in Mancos, Dakota, and Morrison formations. Drlg. ahead with water.
- July 31: Drilled 419' to 679' (260'). Survey at 500' was 3/4°. Made rd-trip at 550' for new bit. Bit #1 (HTC-OWV-RR) made 520' (30' to 550') in 39 3/4 hrs. Drilled at an avg. rate of 13 ft/hr. 2 hrs tripping, ¼ hr rig service, ¼ hr survey, and 21½ hrs drilling.
- Aug. 1: Depth 927'. Drilled 679' to 927' (248'). Survey at 700' was ½°. Drlg with water with 35,000# on bit at 55 RPM, and 600# pump pressure at 105 SPM. Made trip for new Bit #3 at 927'. Bit #2 (HTC-J33-RR) made 377 ft. (550' to 927') in 31 3/4 hrs. Drilled at avg. rate of 12 ft/hr.
- Aug. 2: Drilled 927' to 1324' (497'). Drlg in Entrada and Navajo sand at rates of 20 to 25 ft/hr. Survey at 1164' was 0°. Drlg with water with 35,000# wt. on bit, 55 RPM, 600# pump pressure at 105 SPM.
- Aug. 3: Drilled 1324' to 1840' (516'). Drlg at avg. rate of 20-25 ft/hr. in Navajo sand. Survey at 1354' was 0°; at 1698' was 0°. (30-35 K on bit - 60 RPM - 1250# pump pressure at 60 SPM with both pumps.)
- Aug. 4: Drilled 1840' to 2287' (447'). Survey at 2070' was 3/4°. Drlg in lower Navajo sand and shale. Pump pressure dropped to 400# since motor on Pump #1 was overheating and had to use only #2 Pump. (30K on bit, 60 RPM, 400# pump press. - water) Drlg rate decreased when pump pressure decreased.
- Aug. 5: Drilled 2287' to 2474' (187'). Survey at 2315' was 1½°. Drlg in Wingate ss. and drilling rate dropped to 7½ ft/hr. Pump pressure down also (400#) and reduced wt. on bit to 20K due to climb in deviation.
- Aug. 6: Drilled 2474' to 2691' (217'). Survey at 2503' was 1 3/4°. Est. top of Chinle at 2660'; will drill some deeper to make sure. Drlg rate decreased at 2660' and had red, green, and purple shale in samples. Drilled 23 hrs, ½ hr survey and ½ hr rig service.

MEGADON ENTERPRISES INC.
GEYSER DOME #1-14 WELL
DRILLING HISTORY

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- Aug. 7: Depth: 2730'. Cementing. Drilled to 2730'. Est. top of Chinle at 2660' so decided to set surface casing. Circulated for 1½ hrs and came out of hole. Waited 1½ hrs on casing crew. Ran 65 jts (2720') of 9 5/8", 36.00#, K-55 casing and landed at 2727' K.B. Rigged up cementers (National). Circulated casing for 1 hr. Began cementing at 2300 hrs.
- Aug. 8: Nippling up to drill ahead with air. Finished cementing at 0530 hrs. Cemented casing with 700 sks reg. cement w/3% CaCl. Didn't get returns to surface ^{Cemented to top} w/25 sks. Waited till 11:30 to cut off casing. Installed casing head and tested for leaks. Installed BOP and hydril and tested to 2500# for leaks. Installed rotating head and blewie line. Estimated drilling costs: \$209,450.
- Aug. 9: Tested kill lines to 2000# - no leaks. Went in hole with drill pipe, collars, and 8 3/4" bit. Tagged cement at 2713'. Blew hole dry. Drilled shoe at 2727' and drilled ahead to 2786' at end of tour.
- Aug. 10: Drilled 2786' to 3355' (569'). Drlg. ahead with air at rate of approx. 30 ft/hr., in Moenkopi sediments. Wt. on bit was 20,000# and RPM was 60. Survey at 2849' was 2°; at 3137' was 2°. Est. top of Moenkopi at 2970'. Hole got wet at 3330' and had to convert to air-mist drlg. w/air-soap-water.
- Aug. 11: Drilled 3355' to 3653' (298'). Drlg at rate of 12' to 15' per hr. Survey at 3347' was 1 3/4°. Kaibab at 3440', and top of Coconino at 3600'. Top 40 ft. of sand is oil saturated. Good odor stain, and fluorescence.
- Aug. 12: Drilled 3653' to 3730' (77'). Drlg rate decreased to 5 ft/hr. at 3640' and getting lots more water. Made rd-trip for bit at 3717'. Bit #4 (Smith F3RR) made 990' (2727' to 3717') in 63½ hrs. Drlg at avg rate of 15½ ft/hr. Survey at 3717' was 1 3/4°. Reamed hole from 3677' to 3717'. Began drlg ahead at 2100 hrs.
- Aug. 13: Drilled 3730' to 3795' (65'). Water flow increased rapidly. Air pressure going to 1100# to unload hole after connection. Decided that water flow was too large to continue with air, so came out of hole to remove rotating head and nipple-up flow line. Went back in hole and reamed 30 ft. to bottom. Drilled to 3795' with water. Water flow still increasing so pulled 6 stds and shut well in. Mixed mud in pits.
- Aug. 14: Drilled 3795' to 3924' (129'). Pumped in mud and flowed returns thru control lines. Killed water flow. Began drilling ahead at 0445 hrs. Drlg at rate of 8 ft/hr. in Coconino sand. Bit gave up at 3924' so came out of hole. Found all cones plus shanks cut off. Ordered Globe basket. Waited 5 hrs for basket. Bit #5 (Security S86F) made 207' (3717' to 3924') in 23 hrs. Drlg at avg rate of 9 ft/hr.

Estimated Cost: \$321,850.

MEGADON ENTERPRISES INC.
GEYSER DOME #1-14 WELL
DRILLING HISTORY

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- Aug. 15: Went in hole with globe basket, but basket would not go down. Had to ream hole.
- Aug. 16: Drilled 3924' to 4023' (99') in 9 hrs. Recovered all 3 cones in hole with globe basket. Had to fix pump motors. Top of Coconino at 3600'. Found oil sand very fine-grained at 3600-3640'. Real good fluorescence, oil cut, stain, and odor.
- Aug. 17: Drilled 4023' to 4155' (132') in 19 hrs. Made a trip for new bit. Bit #7 (Hughes with 2-11 & 1-13) made 115' in 9 hrs. In at 3923'; out at 4038; and 6.2 and in gauge. Mud wt. is 8.7; visc is 37; w.l. is 24. Conditioned mud and circulated for ½ hr, and worked bit past junk for ½ hr. Wt. on bit is 25-30,000# at 60 RPM. Pump strokes/min are 60 at 1200 psi. Bit #8 (Hughes with 2-11 and 1-13) went in at 4038' and on bottom. Drilled 117' in 15½ hrs.
- Aug. 18: Drilled 4155' to 4301' (146') in 23½ hrs. Drlg at avg. rate of 6.3 ft/hr. Wt. on bit is 35,000# at 60 RPM. Bit #8 (Hughes) has 39 hrs and drilled 263'. Mud wt. is 8.7, visc. is 36, w.l. is 24. Sand: ¼%; Solids: 4%; Clastics: 9; Yeld: 2; Ph: 11.0; Mud Cake: 1/32. 1200# pressure at 60 PSM. Survey at 4121' was 2°. Top of Cutler Rico at 4075'. Drlg in clcareous red shale and siltstone. Will have logging unit possibly today but definitely tomorrow. Estimated cost: \$391,475.
- Aug. 15: Depth 3924'. No Drilling. Waited on Globe basket till 0530 hrs. Went in hole with basket and encountered tightshole at 3803' and basket wouldn't go further; so came out of hole and picked up bit (HTC J33 RR). Raised mud viscosity to 45-50 and reamed hole from 3730' to 3832' by end of tour.
- Aug. 16: Depth 3924'. Finished reaming hole to 3924'. Circulated hole clean. Strapped out (Strap was 3922.44' - made no correction). Had bit bearing and carbide buttons in junk sub. Went in hole with Globe basket. Circulated bottom of hole and worked basket up and down. Very rough - but cut about 6" core. Came out of hole and recovered all three cones with spindles and most bearings. Went back in hole with Bit #7 (HTC J33RR); and worked additional junk up into junk sub.
- Aug. 17: Drilled 3924' to 4106' (182'). Drilled to 4038' and came out of hole with bit and junk sub, to check bit since still in Coconino sand. Found buttons okey, bearings loose, but in gauge. Bit #7 (HTC J33RR) made 115' (3923' to 4038') in 9 hrs. and reamed 3730' to 3924' (184') in 14 hrs. Mud wt. is 8.8, Visc is 39. Pump pressure is 1200# at 75 SPM. Bit drilled at avg. rate of 13 ft/hr. in Coconino sand. Est. top of Permian-Cutler at 4075'.

- Aug. 18: Drilled 4106' to 4273' (167'). Survey at 4121' was 2°. Drlg at avg. rate of 7 ft/hr. with 35,000# on bit and using 8.6#/gal fresh water mud. Drlg in Cutler-red beds (siltstone and shale), plus some anhydrite.
- Aug. 19: Drilled 4273' to 4408' (135'). Survey at 4402' was 1 3/4°. Drilling rate decreased to about 6 ft/hr. due to reduced pump pressure (750#). No. 2 pump down due to No. 2 generator being down. Field end of generator was shorted out and waiting for parts. Est top of Permian Oquirrh formation (Wolfcamp) at 4380'. Put on mud logging unit (Reed Brothers) this date.
- Aug. 20: Drilled 4408' to 4535' (127'). Drlg at rate of 5 to 6 ft/hr in limestone quartzitic sand, red-pur.-brn. sh, and dolomite of Oquirrh formation. Pressure = 750# at 110 SPM (one pump). Mud wt is 8.8, Visc is 39.
- Aug. 21: Drilled 4535' to 4670' (135'). No survey this day. Drlg. rate varies from 8 to 14 min/ft. No gas shows. Drlg in limestone, dolomite and rd siltstone. Wt on Bit is 35,000# and pump pressure is 750#. No. 2 pump and generator are still down.
- Estimated Cost to Date is: \$415,475.
- Aug. 22: Drilled 4670' to 4715' (45'). Wt. on bit is 35,000# at 60 RPM. Mud Wt. is 8.7, visc. is 42, and w.l. is 12. No gas and no drlg breaks. Limestone: white to grey, fine crystallized. Dolomite: predominantly gry with dark inclusions. Siltstone: Reddish brn with a trace and white and gry, slightly calcareous. Gypsum and anhydrite. Last 60' decreasing amount of dolomite.
- Aug. 23: Drilled 4715' to 4794' (79'). Had to ream hole from 4682' to 4715' (9 1/2 hrs). Began drilling ahead at 0915 hrs. at rate of 6 to 10 min/ft. in limestone and hard, calcareous, quartzitic sandstone of Oquirrh formation. Mud wt. is 8.9#, Visc. is 42. Pump pressure is 1250# at 60 SPM.
- Aug. 24: Drilled 4794' to 4998' (204'). Survey at 4995' was 1 3/4°. Drilling in limestone, dense to Xln, some red shale and siltstone, and some hard quartzitic, calc. sandstone at rate of 6 to 10 ft/hr. Had no good hydrocarbon shows.
- Aug. 25: Drilled 4998' to 5185' (187'). Drlg at avg. rate of 8 ft/hr in limestone, dolomite, and quartzitic sand. No shows. Mud wt is 9.0, visc. is 45; Pump pressure is 1250# and wt. on bit is 35,000# at 60 RPM.

- Aug. 26: Drilled 5185' to 5356' (171'). Survey at 5307' was $1\frac{1}{2}^{\circ}$. Avg. drlg rate was $7\frac{1}{2}$ ft/hr. Had a gas kick (65 units total gas) at 5280' to 5290', and slight drlg break. Some was tight quartzitic sand with some fluorescence, no stain or cut. Decided not to test at this time but need to check logs carefully at this point.
- Aug. 27: Drilled 5356' to 5466' (110'). Made rd-trip for new bit at 5410'. Bit #9 (Reed FP53) made 695' (4715' to 5410') in 93 $\frac{3}{4}$ hrs. Drld at an avg. rate of $7\frac{1}{2}$ ft per hr. Est. top of Hermosa formation at 5400' due to change in lithology. Much more sand and sandy limestone in samples.
- Aug. 28: Drilled 5466' to 5638' (172'). Drlg. at rat of $7\frac{1}{2}$ ft/hr. in quartzitic, calc. sandstone; Xln, sandy, and sucrosic limestone and dolomite. No gas readings. Had slight show in samples at 5500' with scattered stain and fluorescence in sandy to sucrosic dolomite.
- Aug. 29: Drilled 5638 to 5785' (147'). Survey at 5619' was 2° . Drilling at rate of $6\frac{1}{2}$ ft/hr in limestone and hard quartzitic calcareous sandstone of Hermosa formation. Wt. on bit is 35,000#. RPM is 60; pump pressure is 1400# at 110 SPM. Mud wt. is 9.3, visc is 41.
- Aug. 30: Drilled 5785' to 5900' (115'). Made rd-trip at 5900' for new bit. Bit #10 (Hughes J33) made 490' (5410-5900') in 71 $\frac{3}{4}$ hrs. Drilled at an avg. rate of $6\frac{3}{4}$ ft/hr. Survey at 5900' was $1\frac{1}{4}^{\circ}$. Reamed 45 ft. back to bottom.
- Aug. 31: Drilled 5900' to 6037' (137'). Reamed another 32 ft. back to bottom. Began drilling ahead at 0330 hrs. Drilling at rate of 6 to $7\frac{1}{2}$ ft/hr in limestone, sandy limestone, and v.f.g. sandstone.
- Sept. 1: Drilled 6037' to 6230' (193'). Drilling at rate of 7 to 8 ft/hr in fossiliferous limestone. Had a 260 unit gas kick at 6190-6196'; plus oil stain, scattered fluorescence and slight cut in sucrosic slightly vuggy to fossiliferous limestone. Will probably test this zone. Mud wt. is 9.3# and visc. is 37 to 42. Water loss is 10.
- Sept. 2: Drilled 6230' to 6246' (16'). Survey at 6246' was $3/4^{\circ}$. Decided to run DST to test gas and oil show. Circulated and conditioned mud for $1\frac{1}{2}$ hrs and came out of hole to pick up test tools. Bit #11 (HTC J-33) made 346' (5900' to 6246') in 45 $\frac{3}{4}$ hrs. Drilled at an avg. rate of $7\frac{1}{2}$ ft/hr. Went in hole with test tool and ran DST #1 as follows:

Interval: 6176' to 6246' (70')
Init Open: 15 min
Init Shut-in: 1 hr
Final Open: 1½ hr.
Final Shut-in: 2 hr.
Blow: Weak initial - 1¼" in water decreasing to 1" in
15 min. Final blow was very weak - just a few bubbles
in water and dead in 22 minutes.
Rec.: 60 ft. of gas cut mud.
Sample Chamber: 18# pressure, 1700 cc. of gas and oil cut
mud; .20 cu. ft. of gas
Pressures:
IHP = 3067# FHP = 3092#
IFP = 75# FFP = 75#
ISIP = 75# FSIP = 75#
BHT = 108°

Formation is obviously very tight. Laid down test tool and
went back in hole with Bit #12.

- Sept. 3: Drilled 6246' to 6455' (209'). Encountered top of salt at
6285', so began changing mud system from fresh water to salt
base mud. Drilled to 6455' and circulated and conditioned
mud to salt base for 4 hrs. (Est. top of salt was 6300')
- Sept. 4: Drilled 6455' to 6555' (100'). Continued work on mud for
5 hrs. then went back to drilling. Mud wt. now 9.5, visc is
37, chlorides is 130,000 ppm. Drilled in salt from 6280' to
6445' and went into a clastic zone with black shale, anhy-
drite, and dolomite. Ran survey at 6529' = 1 3/4° and broke
wireline. Had to pull 26 stds to retrieve wireline and sur-
vey tool. Had a 250 unit gas kick at 6520' to 6540' in a
black petroliferous shale with strong gas odor; no fluor-
escence or cut. No porosity. Estimated cost to date:
\$572,025.
- Sept. 5: Drilled 6455' to 6730' (175'). Drilling at rate of 5 to 10
ft/hr. Had granular to Xlm anhydrite, black petroliferous
shale and dolomitic from 6555' to 6640' (This drilled at 5½
ft/hr), then salt to 6730' which drilled at 10 ft/hr with
only 10,000# on bit. Had scattered dull fluorescence in some
of the anhydrite and dolomite.
- Sept. 6: Drilled 6730' to 6965' (235'). Had clastics from 6730' to
6780' and then mostly salt to 6950'. No shows or significant
gas kicks. Drlg at avg. rate of 10 ft/hr.
- Sept. 7: Drilled 6965' to 7122' (157'). Had slow drlg (8 ft/hr) from
6960-7000' in clastics and then drilled salt to 7030' and
then slow to 7122' (6 ft/hr). Latter slow drilling due to
pump pressure drop to 650# because of air in mud. Started
out of hole to check for hole in drill pipe.

- Sept. 8: Drilled 7122' to 7247' (125'). Finished trip out of hole checking drill pipe. No holes. Changed bit even though Bit #12 was green. Bit #12 (Security S86F) made 876' (6246' to 7122') in 99½ hrs. Drilled at an avg. rate of 8½ ft/hr. Drilled in clastics (anhydrite, black shale, and dolomite) most of the day. Began drlg. ahead at 0745 hrs.
- Sept. 9: Drilled 7247' to 7430' (183'). Drilled salt to 7310' and then went into black shale and anhydrite. Anhydrite was granular and had scattered fluorescence. Black shale was soft and platy. Had gas kick of 250 units and steady at 70 to 90 units thru-out zone. Decided to run DST even though no good porosity was apparent. Circulated for 2½ hrs for DST and raised mud viscosity to 45.
- Sept. 10: Came out of hole and picked up test tools (Johnson-Macco). Ran DST #2 as follows:
- Interval: 7300-7430 (130')
Init Open: 15 min.
Init Shut-in: 1 hr.
Final Open: 1½ hrs.
Final Shut-in: 2 hrs.
Blow: Strong blow increasing to 38# on ¼" choke in 15 min. Gas to surface in 20 min. (15 ft. flare out 2" line.) Final flow built to 36# in 20 min. and then gradually decreased to 5# in 90 min.
Rec: 890' of gas cut mud.
Sample Chamber: 650# pressure; 4.85 cu. ft. of gas.
1 cc. or less of oil cut mud.
Pressures:
IHP = 4150# FHP = 3974#
IFP = 382-392# FFP = 316-326#
ISIP = 1049# FSIP = 711#
BHT = 135°
- Formation had limited reservoir and shows rapid depletion. Went back in hole with Bit #13. Had 90 ft. of fill at bottom of hole.
- Sept. 11: Drilled 7430' to 7768' (338'). Survey at 7753' was 4¼°. Drilling in salt to 7720'. Had lots of gas while drilling (450 units) C₁, C₂, and C₃. No good shows in samples. Mud wt. is 10.3, Visc. is 40, W.L. is 28. Drlg with 20,000# on bit at 60 RPM.
- Sept. 12: Drilled 7768-7844' (76'). Drlg in salt, anhydrite, black shale, fluorescence on salt sections. High gas readings continuous.
- Sept. 13: Drilled 7844' to ' (). Tripping out with test tools. Ran DST #3 (7680-7900') 220'. Had a survey at 7900' = 2¼°. Results are as follows:
- I.O. = 15 min. F.O. = 1 hr
I.S.I = 1 hr F.S.I. = 2 hr

Blow: Moderate blow, 6" in water for 1st 15 min. Weak blow on final flow; 3" in water; decreasing to 1". No gas to surface. Recovered 420' of gas cut mud.
Sample Chamber: 180# pressure; 2150 cc. of gas cut mud and trace of gas.

Pressures:

IHP = 4479#
FHP = 4359#
IFP = 460-460#
FFP = 506-552#
ISIP = 1206#
FSIP = 1364# Both increasing gradually
BHT = 144°

Formation is evidently tight and tool was plugging partially.

- Sept. 14: Drilled 8010' to 8269' (259'). Drlg in anhydrite, black shale, and gypsum to 8080'; then salt to 8180'; then gyp and anhydrite to 8225'; then more salt to 8265'. Est. top of Pinkerton Trail section probably at 8265' instead of at 8005' as previously thought. Mud wt. is 10.4, visc. is 38. Drilled 23 3/4 hrs with 1/4 hr for rig service.
- Sept. 15: Drilled 8269' to 8396' (127'). Drlg slow at avg rate of 5 ft/hr in anhy., dol., and black shale, plus soft white gyp. Wt. on bit is 30,000# at 60 RPM. Pump pressure is 1600# at 110 SPM. No shows.
- Sept. 16: Drilled 8396' to 8488' (72'). Drlg rate decreased to avg. of 3 ft/hr. Had 125 units gas and slight oil stain in vuggy anhydrite at 8410-20'. Very little change in samples.
- Sept. 17: Drilled 8488' to 8564' (76'). Drlg rate still decreasing. Rate decreased to 30 min/ft so decided to make trip to check bit. Bit #13 (Security S86F) was in good shape and drilled 1442 ft. (7122' to 8564') in 171 hrs. Drilled at avg. rate of 8 1/2 ft/hr. Drilled some lt. brn. dolomite that had scattered dull fluorescence. Drilled some anhydrite and salt which must be a facies change near the edge of the basin. Note: Salt drills slow also, so must be mixed with soft, gummy shale.
- Sept. 18: Drilled 8564' to 8600' (46'). Finished trip out with bit. Cut off drlg. line. Went back in hole with Bit #12 (Sec. S86F). Drlg ahead in salt, limestone, anhydrite, and soft red shale (very strange section). Drlg real slow at times (27 min/ft).
- Sept. 19: Drilled 8600' to 8691' (91'). Drlg rate increased at 8620' and samples change to lt. brn Xln to chalky limestone. Could be top of Mississippian, but will have to wait and see. Drilled some black shale at 8680' to 8691' which doesn't fit Miss. sediments. Drlg rate also decreased. Drlg at avg rate

of 3½ ft/hr. this date.

- Sept. 20: Drilled 8691' to 8766' (75'). Still drilling black shale to 8720' and then samples changed back to ms. and dolomite (very strange). Wt. on bit is 30,000# at 60 RPM. Pump pressure is 1500# at 104 SPM. Mud wt. is 10.4, visc. is 40, and water loss is 16.
- Sept. 21: Drilled 8766' to 8840' (74'). Encountered soft red shale, black and green shale, with oimestone at 8770'. (Could be Molas formation.) Drilling real slow - at avg rate of 24 to 30 min/ft. with 30,000# wt. on bit, 1500# pump pressure. No shows in samples. Estimated cost to date: \$767,025.
- Sept. 22: Drilled 8840' to 8900' (60'). Drlg real slow in soft red shale of Molas at rate of 2 ft/hr. Est. top of Mississippian-Leadville at 8860'. Top is chalky limestone and brown cherty limestone. Some scattered fluorescence in samples. Had about 10 units gas. Wt. on bit is 30,000# with RPM at 60.
- Sept. 23: Drilled 8900' to 9000' (100'). Drlg rate increased to 6 ft/hr at 8880' and samples were white chalky to brown Xln limestone with scattered light blue fluorescence - no oil stain or cut. Had about 1000 units gas and some black residual oil. Decided to run DST on this top portion of the Miss. Circulated hole for 2 hrs and built viscosity of mud to 45.
- Sept. 24: Depth 9000'. Came out of hole and picked up test tool and wnet back in hole and ran DST #4 as follows:
- Interval: 8900-9000' (100')
Init Open: 15 min.
Init Shut-in: 1 hr.
Final Open: 1½ hr.
Final Shut-in: 2 hr.
Blow: Good blow init. increasing to 6# in 15 min.
(Loosing mud very slowly.) Final flow rate was 2#
increasing to 6#. (Still loosing mud slowly - suspect
packer leak and misrun.)
Rec: 7000' of drlg mud
Packer leaked - Misrun
- Came out of hole and removed one damaged packer and took to Moab to redress. Waited 3½ hrs on packer. Went back in hole to rerun test.
- Sept 25: Drilled 9000' to 9024' (24'). Finished going in hole with test tool and ran DST #5 as follows:

Interval: 8890-9000' (110') Had 600' of water cushion
in drill pipe
Init Open: 15 min
Init Shut-in: 1 hr
Final Open: 1½ hr
Final Shut-in: 2 hr
Blow: Fair blow - 6" in water increasing to 7" in 15
min. Weak blow on final flow - 2" in water - de-
creasing to one inch in 1 hr and then steady to end
of flow period.
Rec: 1275' of fluid (300' of water cushion, 625' of
gas cut mud, and 350' of water and gas cut mud.)
Sample Chamber: 35# pressure; 2100 cc of gas cut muddy
water. Res. = .03 ohms at 85° (200,000 ppm chlorides).
Pressures:
IHP = 4982# FHP = 4952#
IFP = 467-474# FFP = 555-584#
ISIP = 3947# FSIP = 3895#
BHT = 151°

Laid down test tool and went back in hole with Bit #13.
Reamed 60 ft. to bottom. Began drlg ahead at 1930 hrs. (Had
800 units gas after test.)

Sept 26: Drilled 9024' to 9072' (48'). Drlg in sucrosic dolomite at
9035' at rate of 4 ft/hr. with scattered to good light blue
fluorescence. (No stain or cut) Had about 10 to 35 units
gas. Bit began torquing up at 9072'. Worked for 30 min-
utes to lessen torque. Decided that bit had one or two
loose cones so made rd-trip for new bit. Bit #13 (RR) made
72 more ft. (9000' to 9072') in 15½ hrs. Drilled at avg. rate
of 5 ft/hr. (Bit was in good shape but decided to run a new
bit - just in case of difficult drlg.) Hit bridge at 8918'
and reamed and washed hole back to bottom.

Sept. 27: Drilled 9072' to 9110' (48'). Had 2000 units gas (1500 units
of C₂, 800 units of C₃, and 400 units of C₄) when circulating
bottoms up. Strong gas odor and scum of oil on pits. Gas
and oil could be coming from dolomite zone since previous
gas kicks have not been as large or contained as much wet
gases. Samples were sucrosic to granular dolomite with good
fluorescence (no stain but had slight cut). Drilled to 9110'
and decided to run logs first before testing. Circulated for
4 hrs and raised viscosity to 46. Came out of hole to log.
Ran Dual-Laterolog and Gamma-Density-CNL log. Logging depth
was 9100'. Finished logging at 2300 hrs. and waited on test
tools.

Sept. 28: Picked up test tools and went in hole to run DST #6 as follows:

Interval: 9000' to 9110' (110') (600' water cushion)
Init Open: $\frac{1}{2}$ hr
Init Shut-in: 1 hr
Final Open: 2 hr
Final Shut-in: $2\frac{1}{2}$ hr
Blow: Good blow thru-out test (bottom of bucket 14" in water in 10 minutes on both flow periods and remained steady thereafter to end of flow period).
Rec: 3500 ft. of fluid (300' of water cushion; 900' of water and gas cut mud; 2300' of slightly gas cut salt water.)
Sample Chamber: 290# pressure; 1800 cc. of salt water with gas. Res = .04 ohms at 80° (200,000 ppm chlorides).
Pressures:
IHP = 5114# FHP = 5085#
IFP = 526-701# FFP = 847-1577#
ISIP = 3950# FSIP = 3964#
BHT = 154°

Laid down tools and waited on orders. Decision was made to run straddle test of zone at 7600-7630' while waiting for logs to be delivered and checked. Called Lynes for inflatable packers. Went in hole and circulated and conditioned mud.

Sept. 29: Came out of hole with drill pipe and waited on tester (Testers truck broke down and had to wait for second truck). Picked up test tool and ran DST #7 as follows: (Straddle test)

Interval: 7592-7652' (60')
Init Open: 30 min
Init Shut-in: 68 min
Final Open: 80 min
Final Shut-in: 120 min.
Blow: Good blow initially - 12" in water in 8 min and steady for 22 min. - continuous good blow while shut-in initially. Final flow was weak thru-out period (4" in water).
Rec: 990' of slightly gas cut mud.
Sample Chamber: 35# pressure; 2100 cc. of gas cut mud; .01 cu. ft. of gas; Resis = .04 ohms at 75° (180,000 ppm chlorides).
Pressures:
IHP = 4250# FHP = 4240#
IFP = 470# FFP = 470#
ISIP = 470# (?) FSIP = 470# (?)
BHT = 142°

Tool didn't close - open all the time.

Sept. 30: Finished DST #7 and laid down tools at 1500 hrs. Trip out with test tool was very slow due to packers dragging. (NOTE:

An attempt was made while in hole with test tool to reset packers across zone 7522' to 7582' but packers would not pump up the second time.) Both packers were severely damaged by first test. Participants decided not to run casing on good zone at 7300' to 7440'. This zone had a good DST test and the logs were quite favorable, but the decision was made to set casing only to top of Coconino.

Laid down drill collars and went in hole, open ended, with drill pipe to place cement plugs in bottom of hole - plugging back to 3800'.

Oct. 1: Placed cement plug as follows:
Plug #1: 9000' to 8700' (300') 100 sks across Miss-Leadville formation
Plug #2: 8350-8150' (200') 125 sks - across base of salt
Plug #3: 7400-7300' (100') 40 sks - In middle of salt section
Plug #4: 6350-6200' (150') 110 sks - across top of salt
Plug #5: 5300-5200' (100') 100 sks - across top of Hermosa formation
Plug #6: 4000-3800' (200') 65 sks - In Coconino formation

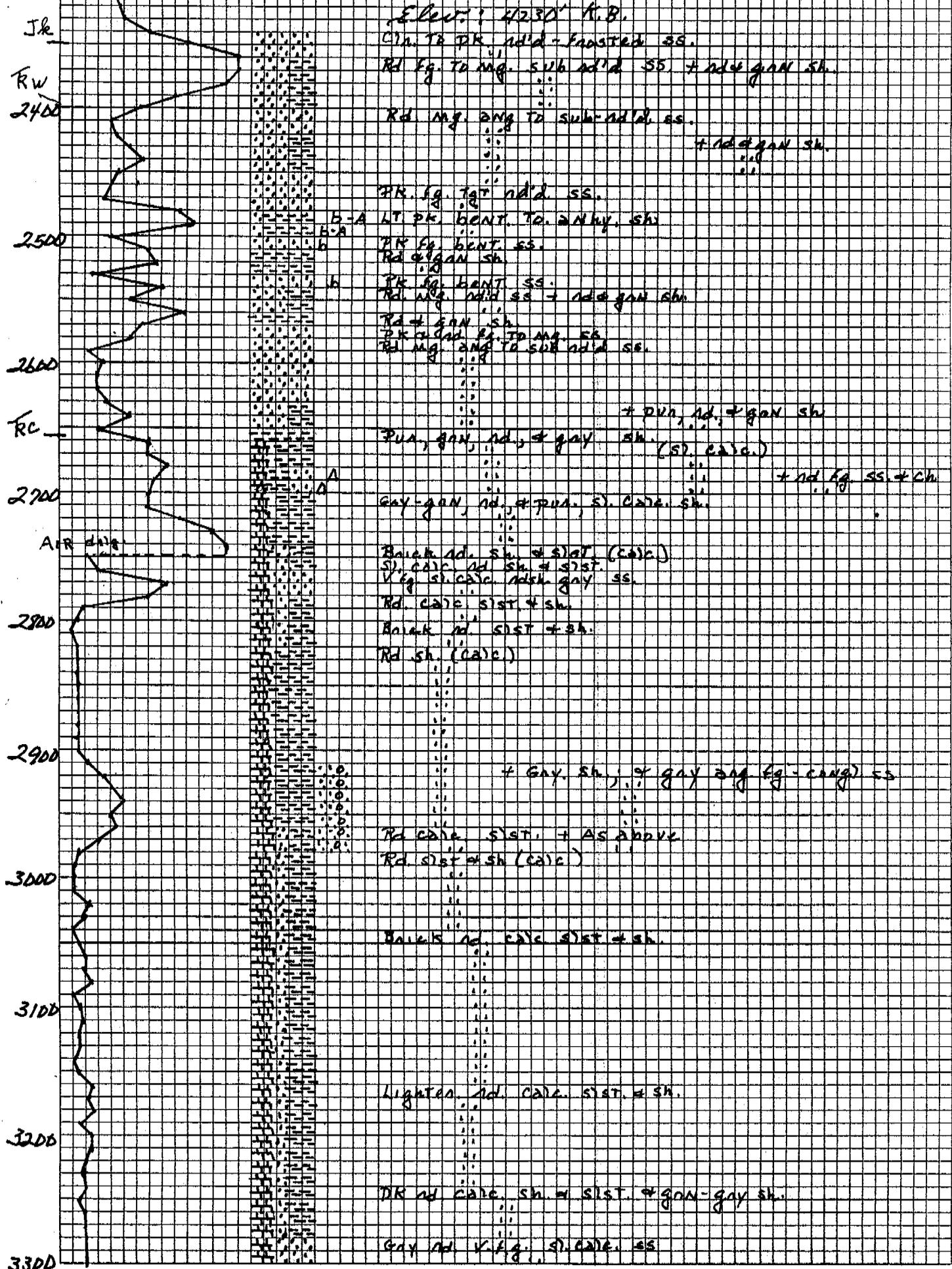
Plugs down at 1300 hrs.

Ran 27 jts (1116') of 5½", 17#, J-55 casing and landed on casing hanger at 3740' K.B. Casing Hanger at 2618' inside 9 5/8" casing set originally to 2728'. Cemented liner with 275 sks of RFC cement. Plug down at 1900 hrs. (Should have cement around and above casing hanger to insure good seal between casing.

Laid down rest of drill pipe and started rigging down.

Total Estimated Cost of Drilling: \$878,887.
Estimated Cost of Completion to Date: \$30,348.

Maint # 10 15
 Seyer's Home # 1-4
 NE SW Sec 14-245-18E 2300'-3300'

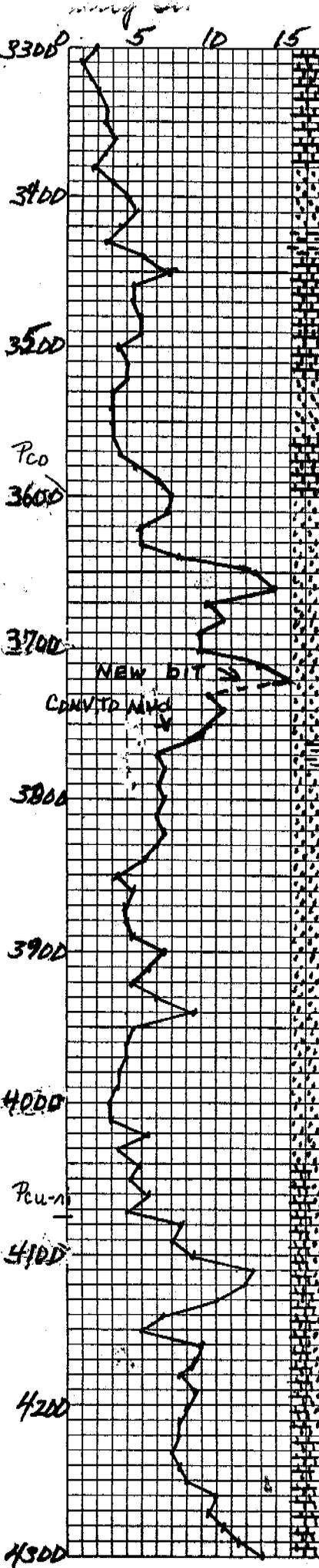


46 0862

K&E 5 X 5 TO 1/2 INCH • 7 X 10 INCHES
 KEUFFEL & ESSER CO. MADE IN U.S.A.

Weyer name #1

3300' to 4300'



DR rd calc. sh, gan-gan sh, lt. gray calc. fg. ss. + pyn.

lt. gray ang. lms + pyn

v. fg. calc. ang. ss.

lt. gray-gan vfg. hd. ss w/ qtzite + pyn

lt. gray-gan qtzite ss. + pyn

gray-gan silt. sh, rd sh, pea sh, pyn.

gray-gan ang. lms. + gray sh, rd sh.

lt. gray to wh vfg. med ss

Rd sh (calc.) - gray lms., lt. gray vfg. ss

AA. + lt. gray calc sh.

wh to tan fg. to v. fg. ss w/ solid gan fluvial - all st.

wh to cin rd fg. - qtzite ss w/ silt fluvial.

wh to tan fg. - qtzite ss.

Black rd. mica. silt + sh.

gray to wh. mg. sub. med ss w/ wh. gyp

cin. mg. med ss.

+ rd sh. + wh. anhy

wh to cin. cr. med ss + anhy. (gyp)

+ add pk sh

+ some rd. sh.

+ some lt. gray-gan sh.

wh to lt. gray-gan fg. calc. ss - some anhy.

+ some rd. sh.

+ pyn. sh.

med rd. + pyn. calc. sh w/ wh. fg. calc. - anhy ss.

Rd calc. sh. + silt. w/ anhy

+ some mg. ss. (anhy)

Rd calc thin-plated sh.

46 0862

K&E 5 X 5 TO 1/2 INCH X 10 INCHES KEUFFEL & ESSER CO. MADE IN U.S.A.

Geyser Name #14

4300' to 5300'

W. side
min/ft. 5
ID 15

4300

4400

4500

4600

4700

4800

4900

5000

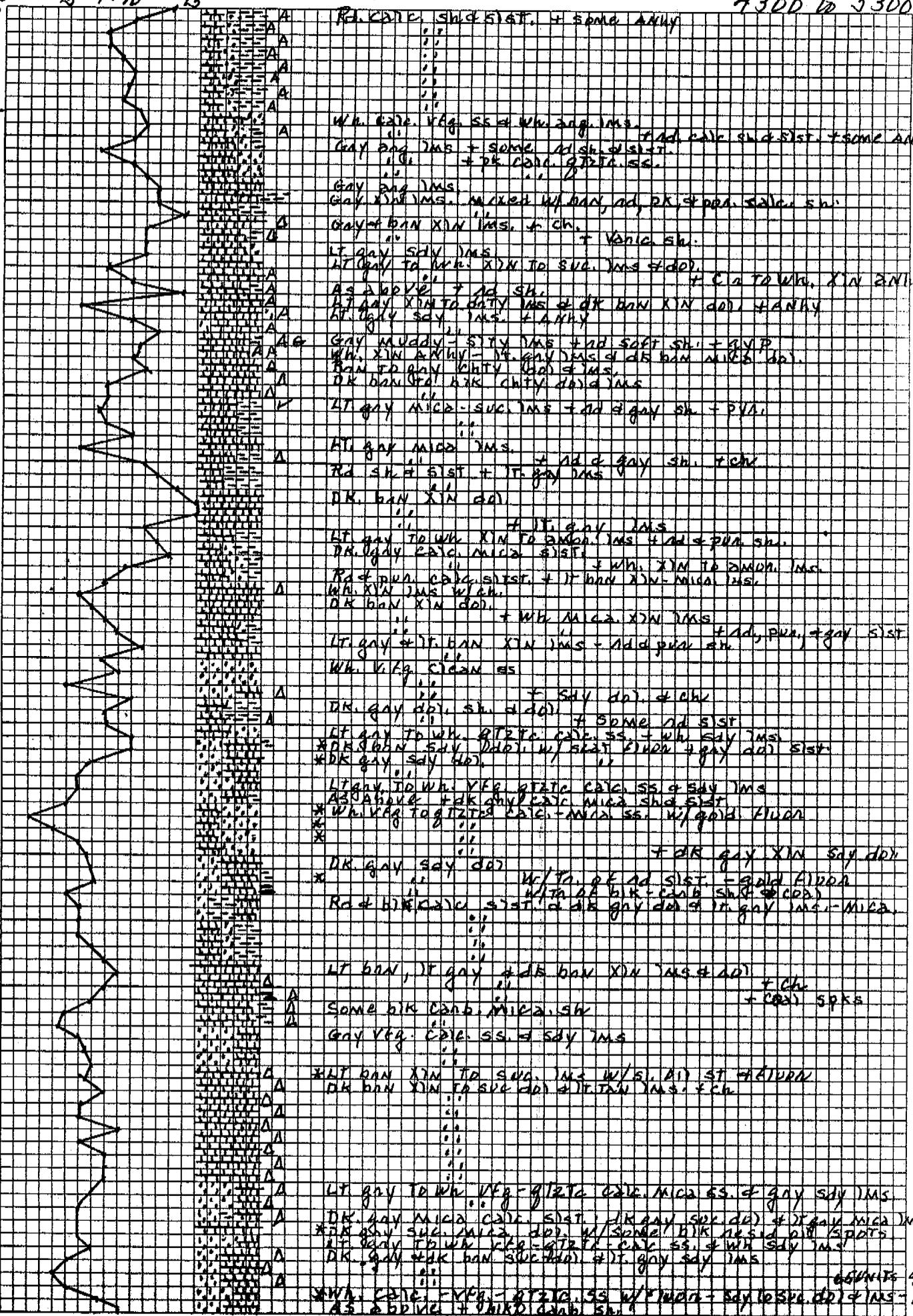
5100

5200

5300

46 0862

5 X 5 TO 1/2 INCH * 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



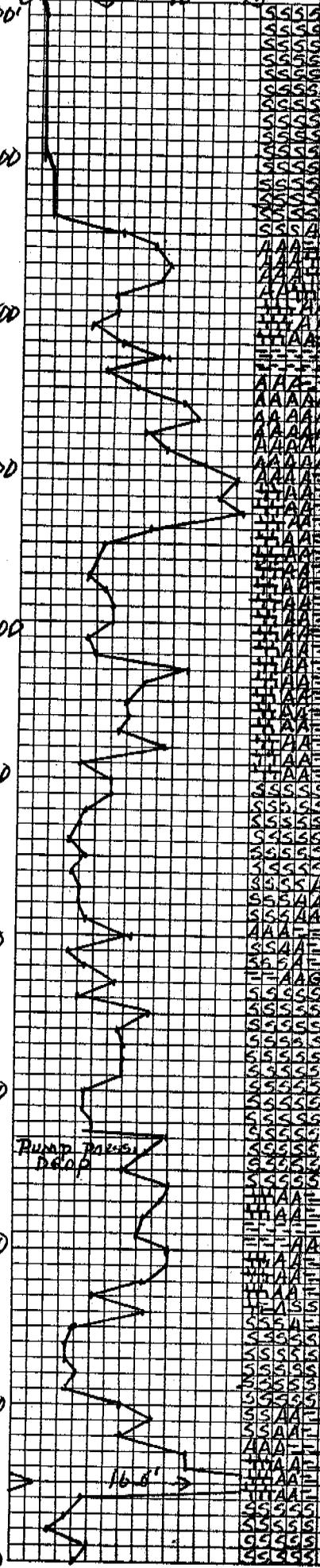
Survey Name # 4

6300'

6300' - 7300'

46 0862

5 X 5 TO 1/2 INCH * 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



CIA XIN SALT

SALT + W/ Gouge ANHY + blk PETRO sh.
LT. grey to blk Gouge ANHY + blk sh.

Gouge to blk XIN + Gouge ANHY + blk PETRO sh. + some blk sh.
Gouge to blk sh. of the main tank Gouge ANHY

* blk PETRO sh. w/ staining gas cap - 250 units gas - W/FI...
Duty to blk Gouge ANHY + blk PETRO sh. w/ gas cap
LT. tan Gouge to blk ANHY. w/ scat doll ALUM.

* As Above + blk. PETRO sh + blk. tan dol.

+ salt?

* LT. tan Gouge - XIN ANHY + blk dol + blk sh. + SCAT doll FLOW + n

Duty to CIA salt

+ duty tan Gouge ANHY

Duty tan Gouge ANHY + blk sh.
SALT + gas XIN ANHY + blk sh + tan Gouge ANHY
blk sh. w/ gas cap + blk ANHY
Pure XIN SALT + tan Gouge ANHY
Salt.

Pump down
Pump

BAN Gouge ANHY; blk PETRO sh + tan dol.

blk. PETRO sh. + tan Gouge ANHY (dove) (EIE)

* BAN XIN dol; LT. tan dol Gouge ANHY; blk sh; scat FLOW.

* AS Above + SALT.
SALT + some ANHY + blk sh

CIA XIN SALT

+ LT. tan to tan ANHY + blk sh

LT. tan Gouge + XIN ANHY + blk sh + dol.
BAN and dol + LT. tan Gouge ANHY + blk sh.

CIA XIN SALT

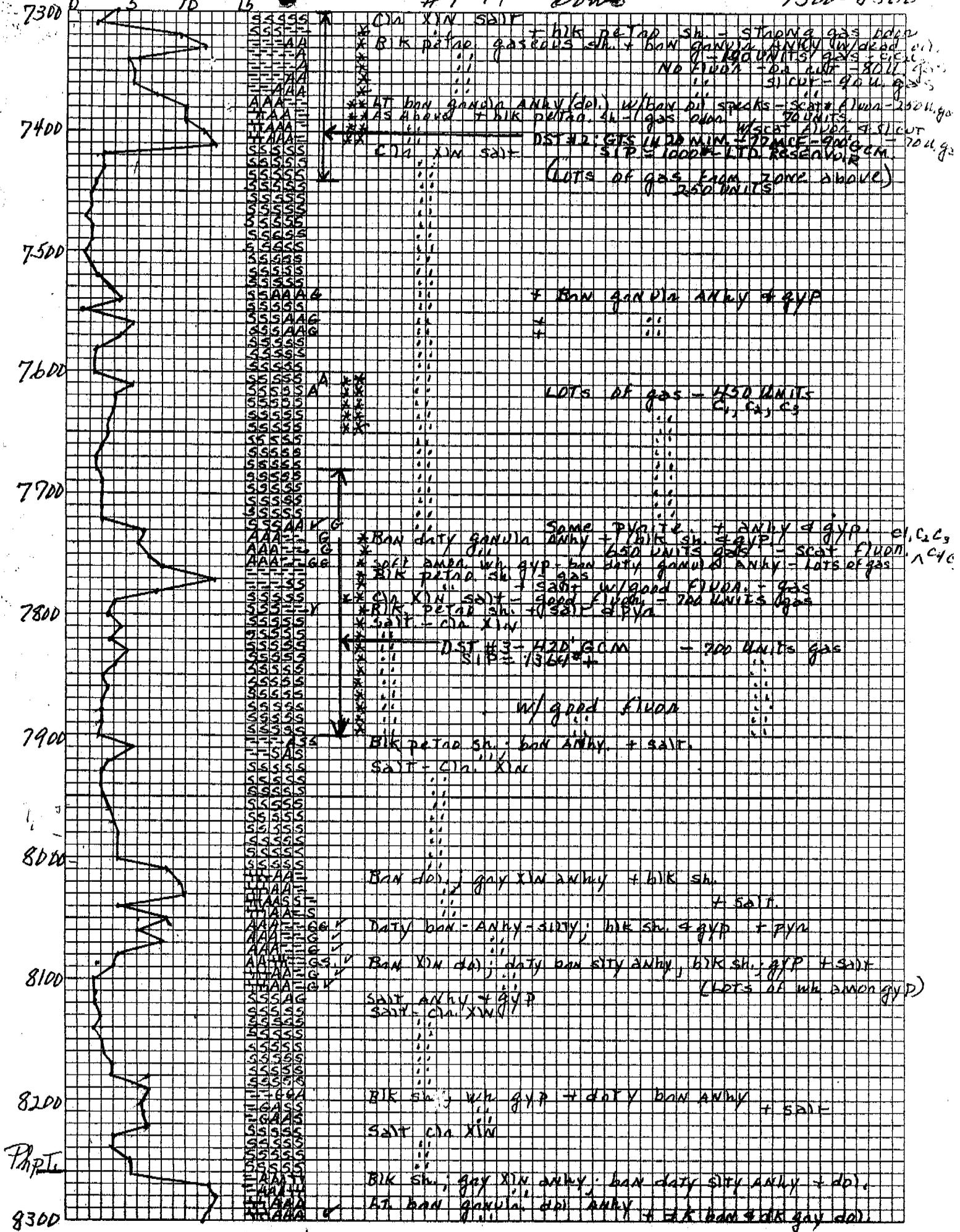
140 units - TAP GAS

16.8' →

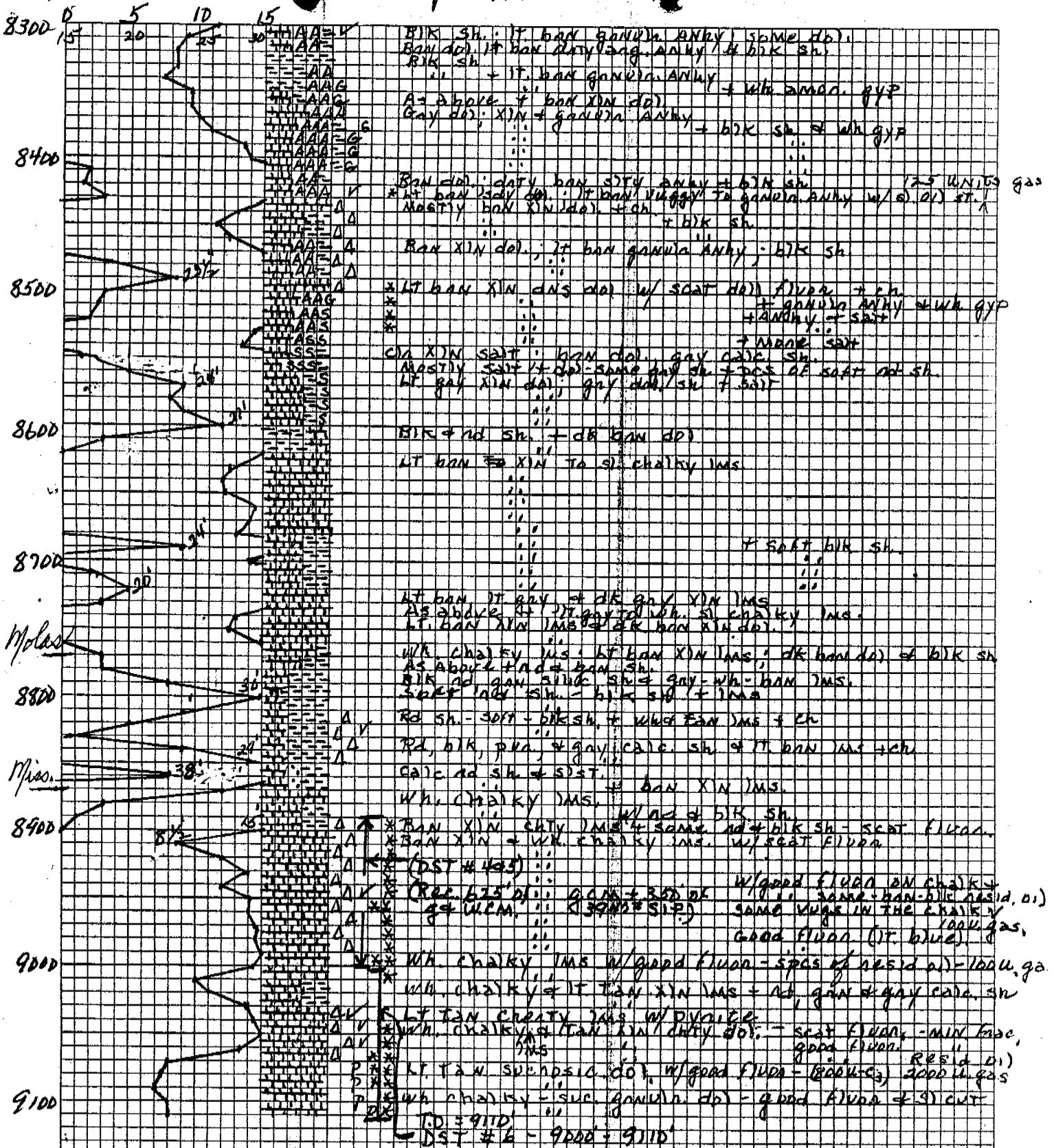
7300'

46 0862

K&E 5 X 5 TO 1/2 INCH • 7 X 10 INCHES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



Weyer Nome # 11, 6000



46 0862

5 X 5 TO 1/2 INCH • 7 X 10 INCHES
 KEUFFEL & ESSER CO. MADE IN U.S.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. NA = U-18648
Communitization Agreement No. _____
Field Name _____
Unit Name GEYSER DOME
Participating Area _____
County EMERY State UTAH
Operator MEGADON
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of DECEMBER, 1981

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

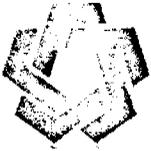
Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1-14	NESW-14	22S	15E	SI	—	—	—	—	WAITING ON A COMPLETION RIG.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	<u>NONE</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Produced	<u>NONE</u>	<u>NONE</u>	<u>—</u>
*Sold	<u>NONE</u>	<u>NONE</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Spilled or Lost	<u>NONE</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Flared or Vented	<u>XXXXXXXXXXXXXXXXXX</u>	<u>NONE</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Used on Lease	<u>NONE</u>	<u>NONE</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Injected	<u>NONE</u>	<u>NONE</u>	<u>—</u>
*Surface Pits	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>—</u>
*Other (Identify)	<u>NONE</u>	<u>—</u>	<u>—</u>
*On hand, End of Month	<u>NONE</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*API Gravity/BTU Content	<u>53</u>		<u>XXXXXXXXXXXXXXXXXX</u>

Authorized Signature: Merrill R. Batten Title: 53



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 3, 1982

Megadon Enterprises Inc.
57 West South Temple
Salt Lake City, Utah 84101

Well No. Geyser Dome #1-14
Sec. 14, T. 22S, R. 15E
Emery County, Utah

Well No. Lion Mesa Unit #5-28
Sec. 28, T. 27S, R. 21E
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

Talked to Megadon -
3-25-82 -
Give 3 months
for Well completion
to come in.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
MEGADON ENTERPRISES INC.

3. ADDRESS OF OPERATOR
57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface **NE. SW. SEC. 14-22S-15E, SLM.**
 At top prod. interval reported below
1980' FR. W-LINE AND 1980' FR. S-LINE
 At total depth

14. PERMIT NO. **43-015-30079** DATE ISSUED **5-12-81**

5. LEASE DESIGNATION AND SERIAL NO.
U-18648

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
#1-14

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NE. SW. SEC. 14-22S-15E SLM.

12. COUNTY OR PARISH **EMERY** 13. STATE **UTAH**

15. DATE SPUNDED **6-25-81** 16. DATE T.D. REACHED **9-27-81** 17. DATE COMPL. (Ready to prod.) **3-22-8** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **4215' GRD; 4235' K.B.** 19. ELEV. CASINGHEAD **4216'**

20. TOTAL DEPTH, MD & TVD **9110'** 21. PLUG, BACK T.D., MD & TVD **3740'** 22. IF MULTIPLE COMPL., HOW MANY* **→** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-9110'** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NONE 25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
DUAL LATEROLOG; GAMMA-DENSITY-CNL 27. WAS WELL CORED
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
13 3/8"	46#	40'	17 1/2"	30 SKS	0
9 5/8"	36#	2727'	12 1/2"	725 SKS	0
5 1/2"	17#	3740'	8 3/4"	257 SKS	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 1/2"	2618	2740	275	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"		

31. PERFORATION RECORD (Interval, size and number)
3618-28' and 3632-38' w/ 2 sh/ft.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3618-28	750 gal of 7 1/2% MSA
3632-38	

33. PRODUCTION

DATE FIRST PRODUCTION **NONE** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
 WELL STATUS (Producing or shut-in) **D & A**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
NONE			→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS
COMPLETION HISTORY, DRILLING HISTORY & SAMPLE LOG SENT

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *[Signature]* TITLE **SEC/TREAS.** DATE **4-2-82**

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either as shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Item 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	E. DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
MANIOS	SURFACE	180	BLK. MARINE SHALE		
DAKOTA	100'	205'	SANDSTONE & LT. GRAY SHALE		
CEDAR MT.	205	284	SANDSTONE & RED - PUR. SHALE		
MORRISON	284	775	RED, GREY, GRN. SHALE PLUS SANDSTONE		
SUMMERVILLE	775	950	RED SHALE & SILTSTONE		
CURTIS	950	1195	GREY-GRN SHALE; SANDSTONE SILTSTONE		
ENTRADA	1195	1500	SANDSTONE, SILTSTONE, SHALE (RED)		
CARMEL	1500	1690	" "		
NAVAJO	1690	2152	WHITE TO TAN SS		
KEYENTA	2152	2195	SHALE & SILTSTONE		
WINGATE	2195	2690	SANDSTONE		
WHINLE	2690	2940	SHALE & SS.		
SHINARUMP	2940	3000	SANDSTONE & CONGL.		
MOENKOP	3000	3505	RED SHALE, SILTSTONE, & SS.		
KAIBAB	3505	3616	SANDY LIMESTONE & SHALE		
COCOMINO	3616	4155	HARD WHITE SS		
CUTLER	4155	4385	SHALE (BLUE-GRY), LIMESTONE & SILTSTONE		
OQUIRH	4385	5250	LIMESTONE, SHALE, QTZTS. SS		
HERMOSA (UP)	5250	6140	" "		
DESERT CK.	6140	6280	SUCROSIC LIMESTONE, SANDY		
SALT	6280	8260	SALT, BLACK SHALE, ANHYDRITE SILTSTONE		
PINKERTON	TR. 8260	8770	ANHYDRITE, BLACK SHALE, DOLOMITE		
MOLAS	8770	8860	RED SHALE, ANHYDRITE, DOLOMITE		
LEADVILLE	8860	9110 (TD)	CHALKY WHITE LIMESTONE & DOLOMITE		
(MISS)					

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved,
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-18648

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

GEYSER DOME #1-14

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE. SW. 14-22S-15E, SLM.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4215' GRD; 4235' K.B.

12. COUNTY OR PARISH

EMERY

13. STATE

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

COMPLETION WORK ON THE SUBJECT WELL WAS ACCOMPLISHED BETWEEN MARCH 15, 1982 TO MARCH 22, 1982 AND PROVED UNSUCCESSFUL. ACCORDINGLY, THE FOLLOWING CEMENT PLUGS WERE PLACED IN THE WELL:

PLUG #1: 3700-3550' (150') 30 sks across perfs
PLUG #2: 2650-2500' (150') 50 sks across casing hanger
PLUG #3: 0' to 60' (60') 20 sks at surface

A WELL MARKER HAS BEEN PLACED AT THE SURFACE.

RECEIVED
APR 06 1982

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

SEC/TREAS.

DIVISION OF
OIL, GAS & MINING
DATE 4-2-82

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



MEGADON ENTERPRISES, INC.

309 Guaranty Bank Building • 817 17th St. • Denver, Colorado 80202 • (303) 573-0093
57 West South Temple • Salt Lake City, Utah 84101 • (801) 359-3575

May 11, 1982

Entek Oil & Gas Ltd.
Mr. Norman C. McKinney
1155 Sherman Street
Denver, Colorado 80203

Re: Geyser Dome #1-14 Well
Sec. 14-22S-15E.
Emery County, Utah

Dear Mr. McKinney:

Your letter of May 6, 1982 to Cleon Feight of the Utah Oil & Gas Commission indicated that you have not received the information on the completion of the Geyser Dome #1-14 located in Emery County, Utah. This well was completed during the period March 15-22. Full reports were sent to the State and to Cumo Resources Ltd. Apparently Cumo did not see fit to inform you of such. Accordingly, we are sending you a complete report with the Plugging & Abandonment notice.

By copy of this letter to Mr. Cleon Feight, we are notifying the Oil & Gas Commission that your request for assistance on their behalf is not required.

Sincerely yours,

W. Don Quigley
W. Don Quigley
President

WDQ:sb

Enclosure

cc: Oil & Gas Commission

Cumo Resources Ltd.

RECEIVED
MAY 13 1982

DIVISION OF
OIL, GAS & MINING