



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

## MEMORANDUM

TO: Mr. Paul Savadra, State Engineer's Office

FROM: Roy Johnson, Senior Petroleum Geologist, OCD

SUBJECT: Salt Water Flow; Miami Petroleum, Bell Ranch Well No. 2, Section 12, Township 14 North, Range 27 East, NMPM, 1980' FNL & 1980' FWL, San Miguel County, New Mexico.

DATE: March 10, 1993

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Last week, as requested by Bill LeMay, OCD Director, I traveled to eastern San Miguel County to inspect and offer any assistance in the plugging of an artesian water well. This well was an old oil and gas test that was converted to a water well for the Bell Ranch. I visited with Mr. Rusty Tinnin, ranch manager for the Bell, and inspected the location with him. The following is a summary of the plugging events:

Well Specifications: 13 5/8-inch surface casing @ 350 feet,  
7-inch production casing @ 1859 feet,  
surface plug in 7-inch casing.

Flow Specifications: 100-120 gpm through casing and casing annulus with CO<sub>2</sub> gas,  
20-22 psi,  
8.65 ppg formation water;  
Glorieta formation producing interval (1760 feet), 11,000  
specific conductance -- reported.

*March 2, 1993*

Stinebaugh Drilling & Mack's Well Service arrive on location. Rig up equipment and construct pad for pulling unit.

*Memorandum to Paul Savadra*

*From: Roy Johnson*

*March 10, 1993*

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*March 3, 1993*

Construct cellar and flowlines to control direction of water flow, attempt to drill out surface plug with "Texas" tubing shoe, parted casing and shut down for night.

*March 4, 1993*

Pulled 240 feet of 7-inch casing, trip in hole with 2 3/8-inch tubing and tagged bottom at 1810 feet. Mixed and pumped 80 barrels of 10.2 ppg kill mud. Killed flow, mixed and pumped 60 sacks of 15.5 ppg cement (approximately 220 feet), tripped out of hole to 720 feet. Circulated tubing with fresh water, finish tripping out of hole and shut down for night. Well is not flowing.

*March 5, 1993*

Trip in hole with 2 3/8-inch tubing to tag plug, tagged plug at 720 feet -- miscalculation of tubing displacement volume -- probable 5-foot plug at 720 feet. Pull tubing to 400 feet, mix and pump 35 sacks 14.0 ppg cement (approximately 200 feet). Rig down equipment. Job is finished.

On many aspects, this well was very similar to the well at Conchas Lake except that the presence of CO<sub>2</sub> made it extremely corrosive. We were extremely lucky that the plugging project went very smoothly and the Bell Ranch should be commended for their diligence and sense of priorities. It is my intent, when time permits, when identify those oil and gas tests that were converted to water wells producing from the Glorieta formation and forward this information to you.

It is also my intent to ensure for any future oil and gas tests converted to water wells that the Glorieta formation is excluded in such a conversion.

Should you require any other information concerning this matter, please feel free to contact me.

REJ/amg

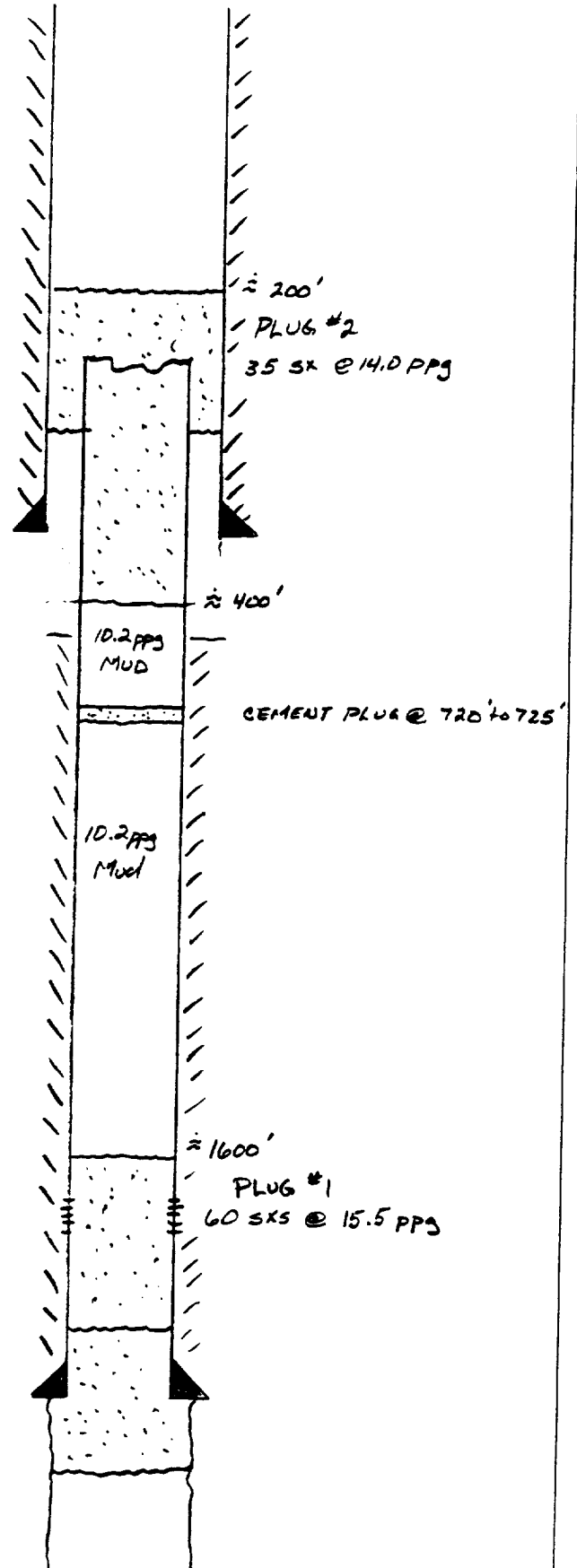
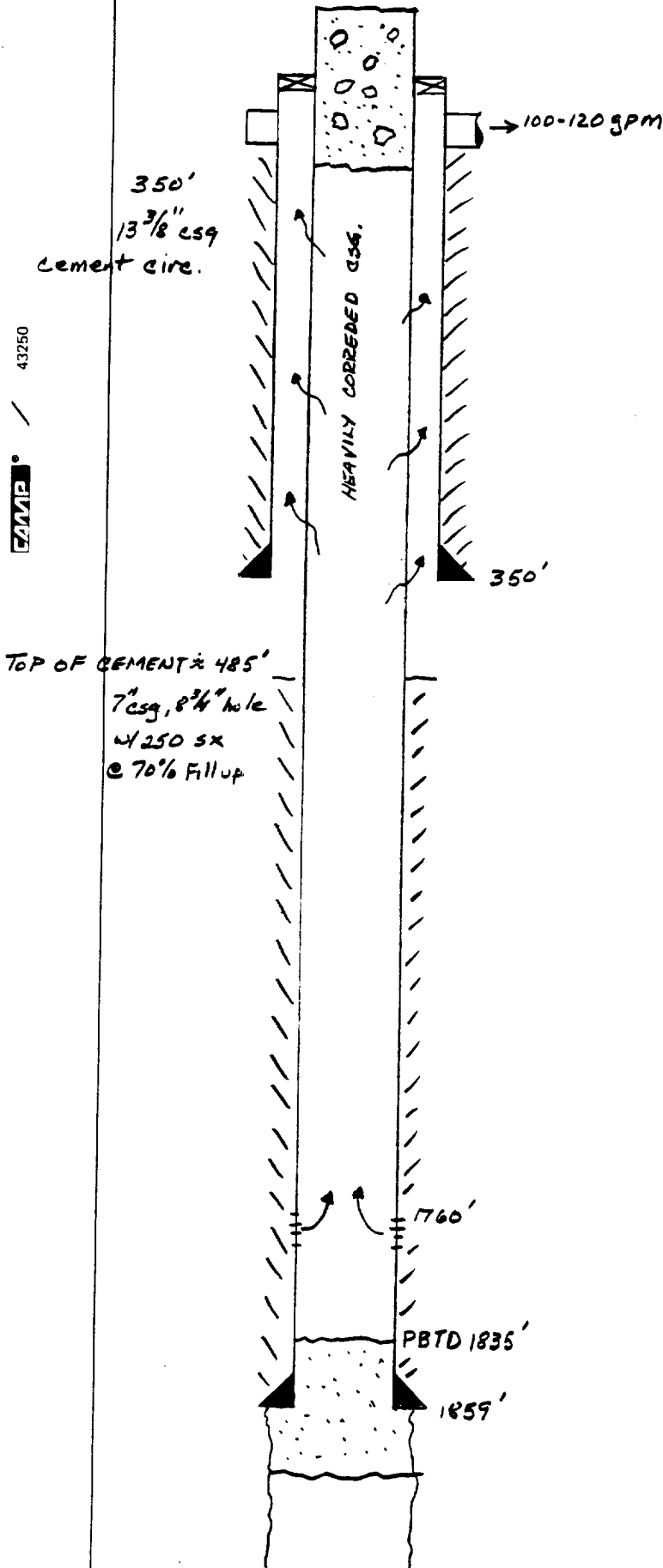
cc: Bill LeMay  
Bell Ranch - Rusty Tinnin  
Steve Farris  
File

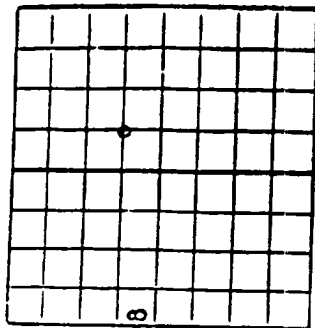
AS OF MARCH 2, 1993

AS OF MARCH 5, 1993

43250

CAMP





NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA IN ACRES  
LOCATE WELL CORRECTLY

Miami Petroleum Company, Inc. (Company or Operator) Bell Ranch, Inc. (Lessee)

Well No. 1, in SE 1/4 of NW 1/4, of Sec. 12, T. 14 N, R. 27E, NMPM.

Wildcat Pool, San Miguel County.

Well is 1008' feet from North line and 1980' feet from West line of Section 12. If State Land the Oil and Gas Lease No. is

Drilling Commenced 9-14-58, 19 Drilling was Completed 9-24-58, 19

Name of Drilling Contractor Miami Petroleum Company, Inc.

Address P.O. Drawer 2040, Abilene, Texas

Elevation above sea level at Top of Tubing Head 4274 G.L. The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from None to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48#	New	350'	Baker Guide	None	None	Surface Casing
7"	23#	Used	1859'	Float Howco	None	None	Water Well

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13 3/8"	350'	300	Howco	9.3	350' - 3190'
8 3/4"	7"	1859'	250	"	Mixed Wt. 15#'s per gal.	1859' - to T.D.

TOC  
485' @ 70%

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Result of Production Stimulation

Depth Cleaned Out

File

Form C-103  
(Revised 3-55)

## NEW MEXICO OIL CONSERVATION COMMISSION

## MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Miami Petroleum Company, Inc. P.O. Drawer 2040, Abilene, Texas  
(Address)LEASE Bell Ranch, Inc. WELL NO. 2 UNIT S 12 T 14 N R 27 E

DATE WORK PERFORMED \_\_\_\_\_ POOL \_\_\_\_\_

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off☐ Beginning Drilling Operations☐ Remedial Work☒ Plugging☒ Other Fresh Water Well

Detailed account of work done, nature and quantity of materials used and results obtained.

Date Commenced 9-14-58, Date Completed 9-24-58

Set casing for land owner for Artesian Water Well. Set 7" casing ( 59 joints ) 1859'-10'  
Cemented with 250 sacks of cement and 2% gel. Cemented , cement plug in place at 1835'.

## FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. \_\_\_\_\_ TD \_\_\_\_\_ PBD \_\_\_\_\_ Prod. Int. \_\_\_\_\_ Compl Date \_\_\_\_\_

Tbng. Dia \_\_\_\_\_ Tbng Depth \_\_\_\_\_ Oil String Dia \_\_\_\_\_ Oil String Depth \_\_\_\_\_

Perf Interval (s) \_\_\_\_\_

Open Hole Interval \_\_\_\_\_ Producing Formation (s) \_\_\_\_\_

## RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by \_\_\_\_\_

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given  
above is true and complete to the best of  
my knowledge.Name B. L. LammName John OtterTitle GeologistPosition Vice PresidentDate Oct 2, 1958Company Miami Petroleum Company, Inc.

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

AFFIDAVIT OF RESPONSIBILITY  
CONVERSION TO WATER-WELL

STATE OF TEXAS )  
County of TAYLOR ) ss.

Jack Stivers, being first duly sworn according to law, upon his oath deposes and says:

1. That he is Vice President of Miami Petroleum Company, Inc.  
(Title) (Operator)  
whose address is P.O. Drawer 2040, Abilene, Texas
2. That Miami Petroleum Co., Inc. is the operator of a well drilled on land be-  
(Operator)  
longing to Bell Ranch, Inc., whose address is Bell Ranch, New Mexico  
(Landowner)

Bell Ranch, Inc., said well being drilled to test for hydrocarbons and/or carbon dioxide gas and described as the Bell Ranch No. # 2, being located 1980' feet from the NORTH line and 1980' feet from the WEST line of Section 12, Township 14 NORTH, Range 27 EAST, NMPM, San Miguel County, New Mexico.

3. That said well was drilled to a total depth of 3202 feet, and that casing has been set and cemented as follows:

Set casing for land owner for Artesian Water well: Set 7" casing ( 59 joints ) 1859'-10" cemented with 250 sacks of cement 2% gel. Cement plug in place at 1835'.

4. That operator and landowner have made an agreement whereby operator (is) (is not) to back fill pits, level location, and clear it of all junk. The agreement further provides that operator is to plug said well back to a plugged-back total depth of 1860' feet and transfer well to landowner for his use as a water-well. Operator will leave casing in the well as follows:  
1859'-10", 7" Casing ( 59 joints ), property of land owner. 13 3/8" surface casing set @ 333' ( 10 joints ), cemented w/300 sxs. cement. Operator conveys title of surface casing to landowner.

5. That when operator has complied with the provisions of Paragraph 4 above it will so notify the Oil Conservation Commission of the State of New Mexico on Commission Form C-103, together with a signed statement from the landowner that the provisions of Paragraph 4 above have been complied with to his satisfaction.

MIAMI PETROLEUM COMPANY, INC.  
(Operator)

By Jack Stivers

Subscribed and sworn to before me this 10th day of OCTOBER, A. D. 19 58.

Shirley Maedgen  
Notary Public in and for the County of TAYLOR

STATE OF TEXAS )