



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

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 CO₂ 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

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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.

In many aspects, this well was very similar to the well at Conchas Lake except that the presence of CO₂ 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

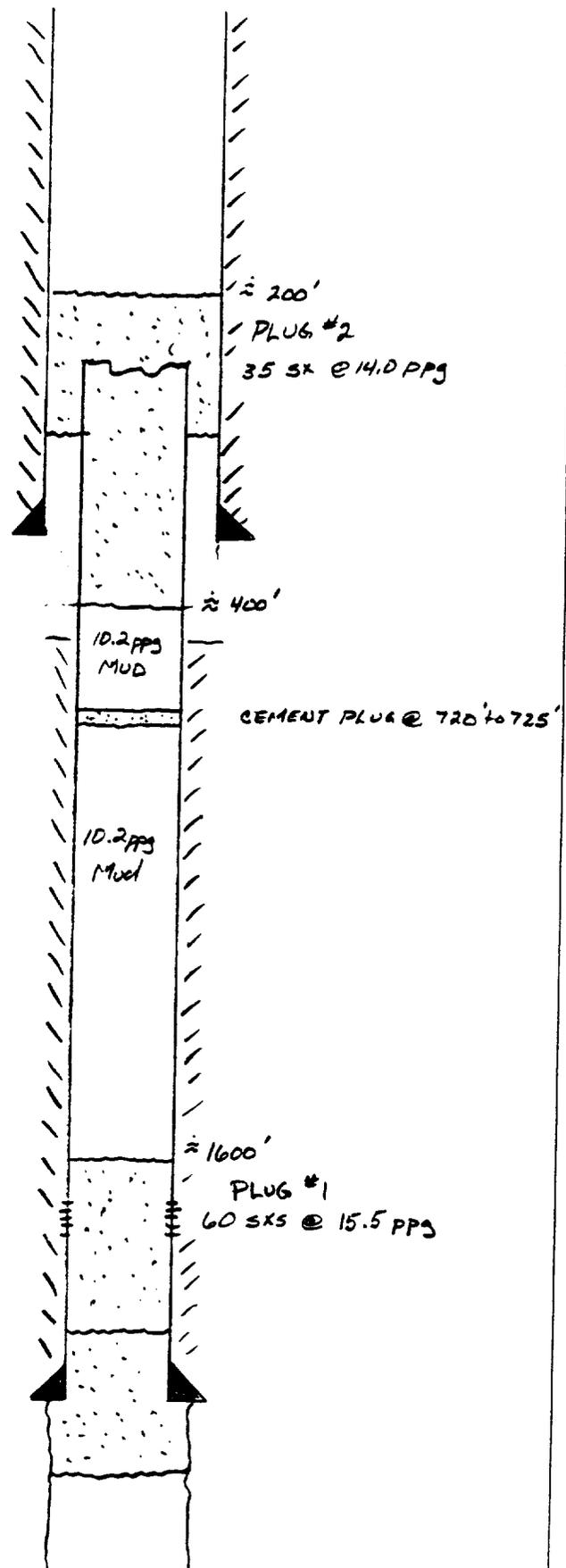
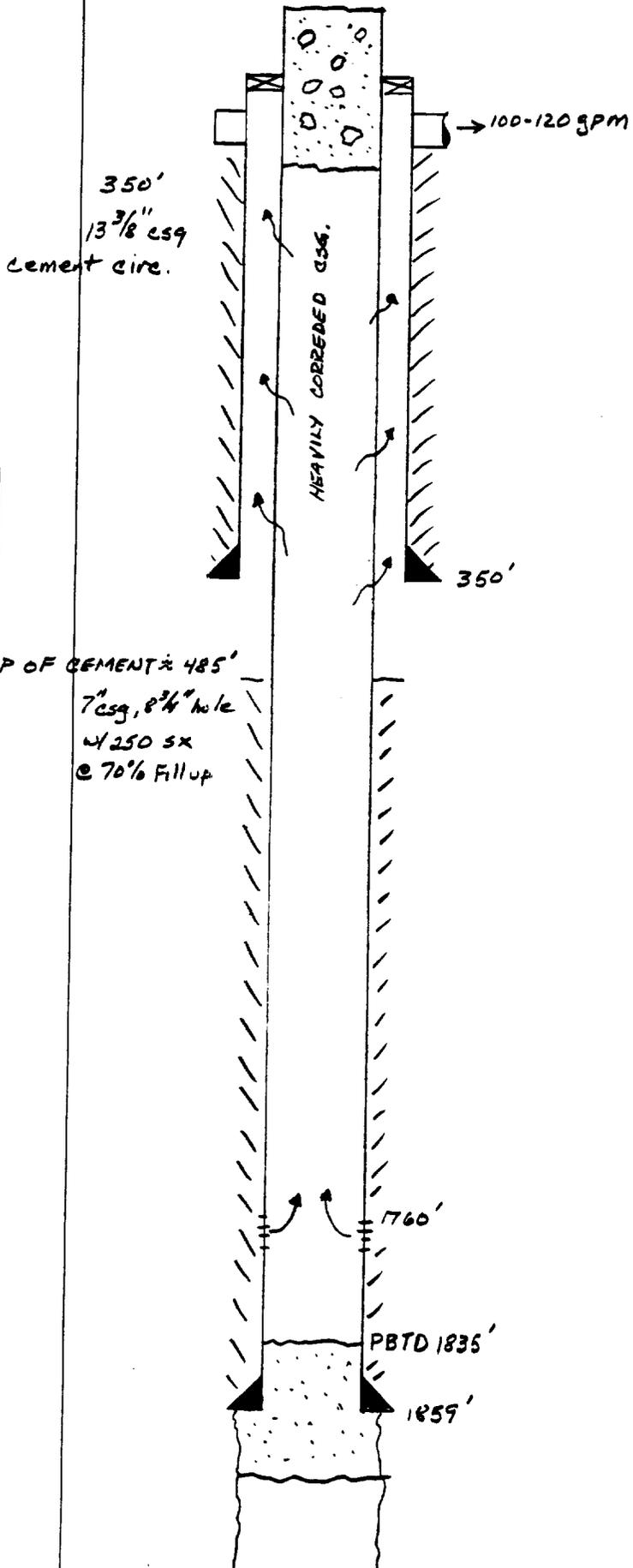
cc: Bill LaMay
Bell Ranch - Rusty Tinnin
Steve Farris
File

AS OF MARCH 2, 1993

AS OF MARCH 5, 1993

43250

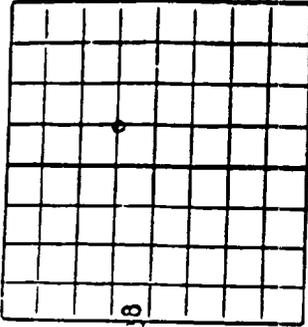
CAMP



File

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 40 ACRES
LOCATE WELL CORRECTLY

Miami Petroleum Company, Inc. (Company or Operator) Bell Ranch, Inc. (Lessee)
 Well No. _____, in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 12, T. 14 N., R. 27E, NMPM.
 Wildcat Pool, San Miguel County.
 Well is 208' 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

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. Lamm Name John Steiner
 Title Geologist Position Vice President
 Date Oct 2, 1958 Company 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 Madgen
Notary Public in and for the County of TAYLOR

STATE OF TEXAS)