

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

RECEIVED

JUN 21 2005

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Sandel Operating Company c/o Pueblo West LLC 1218 W. Pueblo Ave Hobbs, NM 88240		² OGRID Number 226685
		³ API Number 30 - 015-10258
⁴ Property Code 34902	⁵ Property Name Harris State	⁶ Well No. # 1
⁹ Proposed Pool 1 Unders. Antelope Sink ; Upper Penn 70520		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	18S	23S		660	South	660	East	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3818
¹⁶ Multiple S	¹⁷ Proposed Depth 6806	¹⁸ Formation Upper Penn	¹⁹ Contractor Unknown at this time	²⁰ Spud Date ASAP
Depth to Groundwater 100 - 300ft		Distance from nearest fresh water well Estimated 1320ft		Distance from nearest surface water Estimated 900ft
Pit: Liner: Synthetic X <input type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 1000_bbls Drilling Method: SU and Reverse Circulation Unit				
Closed-Loop System <input type="checkbox"/> Fresh Water X <input type="checkbox"/> Brine X <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17"	13 3/8"	48# / ft	193	275	Surface - In place
12"	8 5/8"	24#/ft	1957	625	Surface - In place
7 7/8"	5 1/2"	15 50# / ft	6600	200	5700

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Sandel Operating proposes to re-enter the plugged well bore drilled and plugged by Franklin, Aston and Fair in 1964.
Please see attached drilling program and procedure

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines X ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Michael S. Prichard

Title: Agent

E-mail Address: michaelprichard@hotmail.com

Date:

Phone: 505-392-9100

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

JUN 24 2005

Expiration Date:

JUN 24 2006

Conditions of Approval Attached ☐

Sandel Operating Company
OGRID # 226685
Re-entry Procedure
Harris State # 1
API # 30-015-10258
660 FSL X 660 FEL
UL "P", Section 36, T18S, R23E
Eddy County, New Mexico

Well was drilled and plugged and abandoned as dry hole in 1964 by Franklin, Aston & Fair.

1. Dig out well and removed PA marker.
2. Install weld on 8 5/8" x 8" 3000 psi well head with 2-2" outlets with nipples and ball valves.
3. Set and test 4 Service Unit anchors.
4. Move in rig up Service Unit.
5. Nipple up drilling spool and manual 8" 3000 psi BOP.
6. Pressure test well head and BOP assembly to 1500 psig.
7. Well will be re entered with 9.1 ppg cut brine.
8. Run 7 7/8" bit, drill collars and drill out surface plugs.
9. Run bit to 1100feet and circulate clean and pressure test casing to 1000 psig.
10. Drill out cement plug 1100' to 1200'
11. Drill out remaining cement plugs to TD of 6600ft with cut brine, Circulate clean.
12. Pull tubing and tools
13. Run 5 1/2" casing and cement with estimated 200 sack Class "H" cement.
14. Test Upper Penn for commercial production.

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

X ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-10258		² Pool Code 70520		³ Pool Name Antelope Sink: Upper Penn	
⁴ Property Code		⁵ Property Name Harris State			⁶ Well Number # 1
⁷ OGRID No. 226685		⁸ Operator Name Sandel Operating			⁹ Elevation 3818'


¹⁰ Surface Location

¹⁰ U.I. or lot no. P	Section 36	Township 18s	Range 23E	Lot Idn	Feet from the 660	North/South line South	Feet from the 660	East/West line East	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

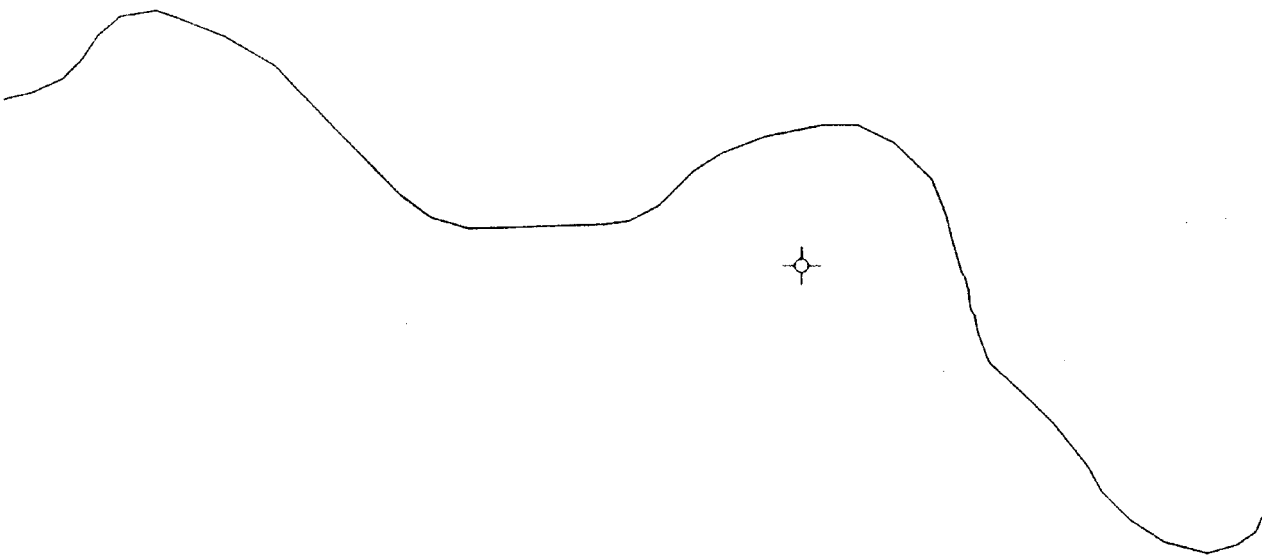
¹¹ U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Michael S. Prichard Printed Name Agent michael.sprichard@hotmail.com Title and E-mail Address Date 5/27/05	
					¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number
					Lat 32.69899795343 Long - 104.6387291129 660 FEL 660 FSL

Pueblo West LLC
Fourmile Draw through Section 36, T18S, R23E Eddy County, NM

S36 T18S R23E



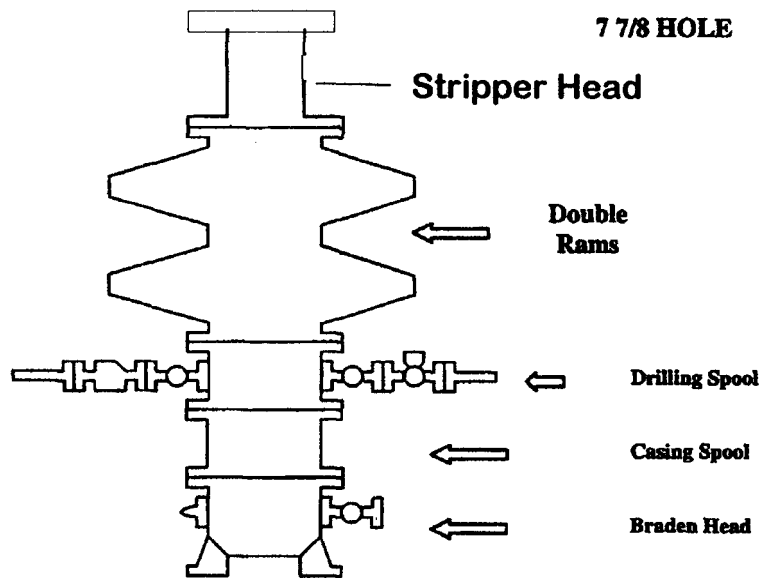
Sandel Operating Company
OGRID # 159853
Pit Procedure
Harris State # 1
API # 30-015-10258
660 FSL X 660 FEL
UL "P", Section 36, T18S, R23E
Eddy County, New Mexico

Well was drilled and plugged and abandoned as dry hole in 1964 by Franklin, Aston & Fair.

1. Drilling fluid (Cut Brine) will be contained in steel pit and hauled to disposal facility after completion of drilling and cementing operations.
2. Cement cuttings and well solids will be buried on site in 12 mil pit liner.
3. 12 mil liner will be placed over solids and covered and contoured to prevent rain water pooling
4. 3 feet of clean topsoil will be placed over liner
5. Due to distance from fourmile draw the north and east side of location will be bermed to contain any accidental spills

Sandel Operating Company

BOPE Schematic



Sandel Operating Company
OGRID # 226685
H2S Contingency
Harris State # 1
API # 30-015-10258
660 FSL X 660 FEL
UL "P", Section 36, T18S, R23E
Eddy County, New Mexico

Well was drilled and plugged and abandoned as dry hole in 1964 by Franklin, Aston & Fair.

H2S concentrations for wells in this area are low enough that a contingency plan is not required.