

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
Revised March 17, 1999

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

¹ Operator Name and Address Stanolind Operating Corp.		² OGRID Number 230313
³ Property Code 300904		³ API Number 30-025-36657
⁵ Property Name Berry Hobbs Unit 17		⁶ Well No. 1

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
J	17	16S	36E		2490	South	1850	East	Lea

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
⁹ Proposed Pool 1 Northeast Shoe Bar (Wolfcamp)					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N P	¹² Well Type Code M	¹³ Cable/Rotary R	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 3929
¹⁶ Multiple Y	¹⁷ Proposed Depth 12,320'	¹⁸ Formation Wolfcamp	¹⁹ Contractor	²⁰ Spud Date As soon as rig is available

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	54.5	473	415 Sxs	Surface
11	9 5/8	32	4919	1420 Sxs	Surface
7 7/8	5 1/2	17	12,745	1219 Sxs	6160

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.

C-102

Work Summary

Wellbore Schematic

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plug back

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Barbara Watson</i>		OIL CONSERVATION DIVISION	
Printed name: Barbara Watson		Approved by: <i>[Signature]</i>	
Title: Regulatory Compliance		Title: PETROLEUM ENGINEER	
Date: 11/29/2005		Approval Date: DEC 02 2005	
Phone: 432/688-4256		Expiration Date:	
		Conditions of Approval:	
		Attached <input type="checkbox"/>	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36657	Pool Code 56295	Pool Name Northeast Shoe Bar (Wolfcamp)
Property Code 300904	Property Name BERRY HOBBS UNIT 17	Well Number 1
OGRID No. 230313	Operator Name Stanolind Operating Corp.	Elevation 3929

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	16 S	36 E		2490	SOUTH	1850	EAST	LEA

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
Dedicated Acres 160 220 Acres	Joint or Infill	Consolidation Code	Order No. NSL-5236 for Wolfcamp						

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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Barbara Watson Printed Name Regulatory Compliance Title November 29, 2005 Date	
	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. October 30, 2003 Date Surveyed Signature & Seal of Professional Surveyor W.O. Num. 2003-0589 Certificate No. MACON McDONALD 12185	
	LVA	
	REGISTERED PROFESSIONAL SURVEYOR	

NOTE:
1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.

Stanolind Operating Corp.

Berry Hobbs Unit 17-1 Workover Summary



Procedure to Plugback Wellbore to Test, Log and Evaluate NE Shoe Bar (Wolfcamp)

Surface Location

2,490' FSL & 1,850' FEL
Section 17, T16S, R36E
Lea County, New Mexico

Hole Sizes, Casing Sizes and Cement

17-1/2" hole @ 473' 13-3/8" 54.5 #/ft casing @ 473'

Lead w/240 sxs PP w/4% gel, 2% CaCl, 1/4 pps flocele, 13.4 ppg, 1.78 yield. Tailed w/175 sxs PP w/2%CaCl. 14.8 ppg, 1.34 yield
TOC Surface

11" hole @ 4919' 9-5/8" 36 & 40 #/ft casing @4,919'

Lead w/1170 sxs 50/50 poz/C w/10%gel, 5% salt, 1/4 pps celloflake, 11.9 ppg, 2.37 yield
Tailed w/250 sxs PP w/2% CaCl, 14.8 ppg, 1.34 yield.
TOC Surface

7 7/8" hole @ 12,745' 5-1/2" 17 #/ft casing @12,745'

150 bbls mud + 150 scf N2/bbl.
1st Stage lead w/375 sxs 50/50 Poz H w/10% gel, .2%SMS, 5 pps celloflake, .5% FL-52, .15% R-21 11.8 ppg, 2.31 yield.
Tailed w/844 sxs (61/15/11) Poz H CSE w/.7% FL-52, .2% SMS, .6%FL-25, 3pps Gilsonite. 13.3 ppg, 1.58 yield.
TOC 6160'

Abbreviated Proposed Procedure

RU KT & Pump 60 bbls 10 # BW down tbg to kill well. NDWH & NU 5000# Schaffer 4 1/2" x 2 7/8" manual BOP.

Release Arrow XI-S pkr & TOOH w/ 2-7/8" tbg, pkr & gun release. Send pkr to shop to be redressed. RU wireline & TIH w/ 5-1/2", 10K Composite CIBP. Set Comp CIBP @ 12,320'. Note FL while running Comp CIBP.

Utilize Lubricator w/ all bolts in flange.

Stanolind Operating Corp.

Berry Hobbs Unit 17-1

Plugback to NE Shoe Bar (Wolcamp) & Wildcat (Mississippian) Pools

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PU 3-3/8" scalloped deep penetrating guns as above and RIH. Perforate Cisco Canyon from 10,989' - 11,001 (10,995' - 11,007' OH log depth) & 11,006' to 11,030' (11,012' - 11,036' OH log depth). Interval will be shot with minimal fluid over guns.

PU 2 jts 2-7/8" tail pipe, 5-1/2" Arrowset IX pkr, & RIH w/ SN + 2-7/8" tbg to 11,030'.

RU Cudd PP and circulate WB w/ clean PW or FW. Spot 500 gals 20% anti-sludge from 11,030' to 10,530'.

PUH w/ tbg & pkr to 10,780' & reverse acid into tbg. Load backside & RU on tbg.

Breakdown perms w/ spot acid & establish rate.

Acidize interval 10,989' to 11,030" w/ additional 3,500 gals 15% anti-sludge acid dropping 160 - 7/8" 1.3 sg RNCB's. Record ISIP, 5", 10" & 15" SIP's.

SI & WO acid to spend for minimum 3 hrs. RU swab & swab well to pit. Record swab #, FL's & recoveries.

Based upon recoveries will either flow well, POP or PB to Wolfcamp interval. If well swabs calculated commercial oil cuts / rates will consider adding "Berry Hobbs" Wolfcamp Pay and DH commingling both zones.

If Cisco interval swabs non-commercial, will PB and attempt completion in U. Townsend WC pay interval that may have high water cuts.

Excavate BW cuttings pit and haul to CRI Disposal. Deep bury FW cuttings in pit and restore location.



STANOLIND OPERATING CORP. EXISTING WELLBORE DIAGRAM

WELL NAME:	Berry Hobbs Unit 17-1			FIELD:	Northeast Shoe Bar (Strawn), Wildcat (Mississippian)		
LOCATION:	2490' FSL & 1850' FEL, Sec 17, T-16-S, R-36-E			COUNTY:	Lea	STATE:	New Mexico
ELEVATION:	GL = 3928'; KB = 3947 (19' KB Corr)			SPUD DATE:	5/6/2004	COMP DATE:	9/7/2004
API#				PREPARED BY:	M. Stewart		
	DEPTH	HOLE SIZE	SIZE	WEIGHT	GRADE	THREAD	TOC
CASING:	473	17-1/2"	13-3/8"	54.5 #	H-40	ST&C	Surface
CASING:	4919	11"	9-5/8"	32 #	HCK-55 & J-55	LT&C	Surface
CASING:	12745	7-7/8"	5-1/2"	17 #	HPC-110 & N-80	LT&C	6160
TUBING:	12274		2.875		L80	8rd EUE	
TUBING:							

