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

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

Form C-101
Revised March 17, 1999

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	[2] OGRID Number
Permian Resources, Inc.	025797
	[3] API Number 30 - 25 - 36657

[3] Property Code	[5] Property Name	[6] Well No.
33604	Berry Hobbs Unit 17	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	[10] Proposed Pool 2
Wildcat (Mississippian, Atoka, Morrow, Chester)	Shoebar; Strawn, Northeast

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	M	R	Fee	3929
[16] Multiple	[17] Proposed Depth	[18] Formation	[19] Contractor	[20] Spud Date
Y	12,800		TMBR/Sharp	3/29/04

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 ½	13 3/8	54.5	450	450 Sxs	Surface
11	8 5/8	32	4900	1800 Sxs	Surface
7 7/8	5 ½	20 & 17	12,800	1400 Sxs	4700' DV Tool
					@9500'

[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
C-103 Subsequent operations for lined earthen pits
Drilling Summary
Wellbore Schematic
Well Control Information – BOP, Site Diagram

NSP + NSL R-12124

MAR 2004 RECEIVED Hobbs OCD

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Barbara Watson

Printed name: Barbara Watson

Title: Regulatory Compliance

Date: 03/13/03

Phone: 432/685-0113

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: APR 01 2004

Expiration Date: 4/1/05

Conditions of Approval:

Attached ☐

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025 - 36657	96649	Shoebar; Strawn, Northeast

Property Code	Property Name	Well Number
33604	BERRY HOBBS UNIT 17	1

OGRID No.	Operator Name	Elevation
25797	PERMIAN RESOURCES, INC.	3929

Surface Location

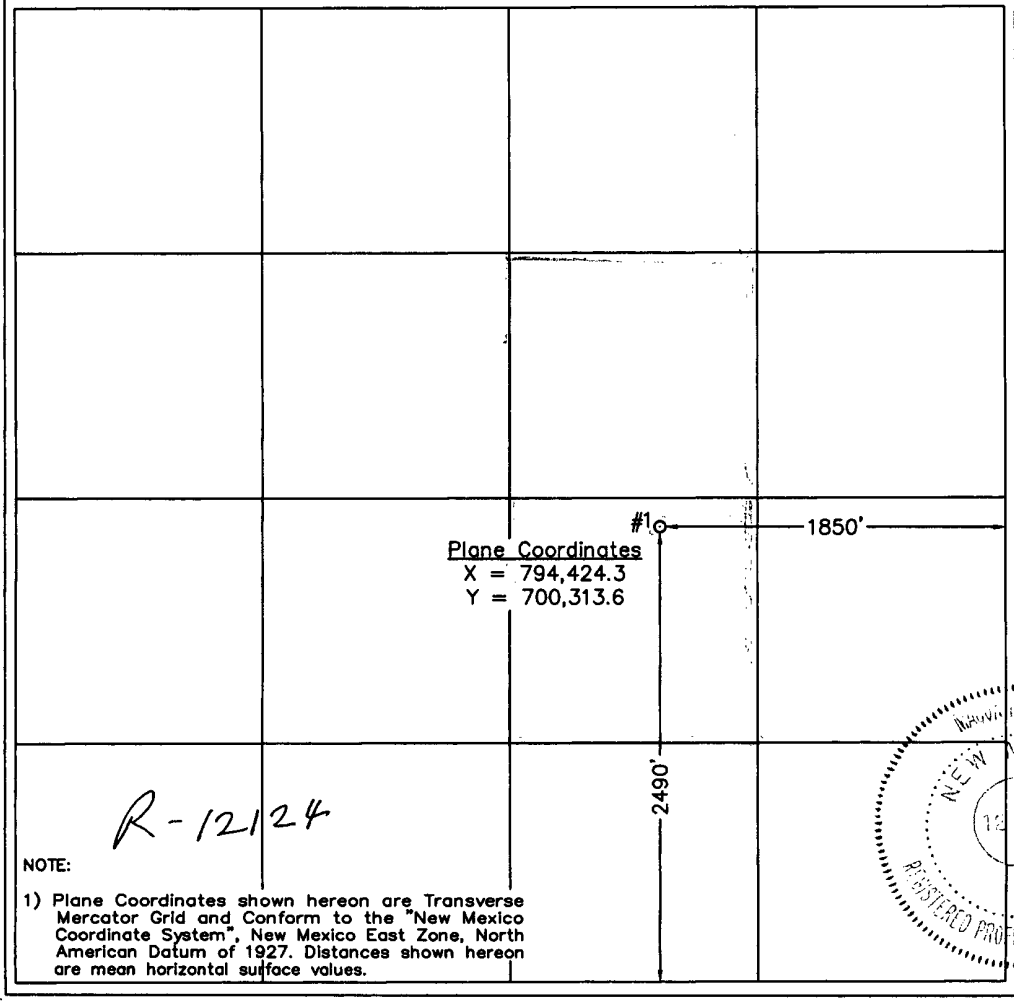
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	16 S	36 E		2490	SOUTH	1850	EAST	LEA

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	Joint or Infill	Consolidation Code	Order No.
80 Acres			

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



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.

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Barbara Watson
Signature

Barbara Watson
Printed Name

Regulatory Compliance
Title

3/12/04
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 supervison and that the same is true and correct to the best of my belief.

October 30, 2003
Date Surveyed LVA

Signature & Seal of Professional Surveyor

W.O. Num. 2003-0589

Certificate No. MACON McDONALD 12185

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

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

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1000 Rio Brazos Rd., Aztec, NM 87410

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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	Pool Code	Pool Name
30-025		Wildcat-Mississippian, Atoka, Morrow, Chester

Property Code	Property Name	Well Number
33604	BERRY HOBBS UNIT 17	1

OGRID No.	Operator Name	Elevation
25797	PERMIAN RESOURCES, INC.	3929

Surface Location

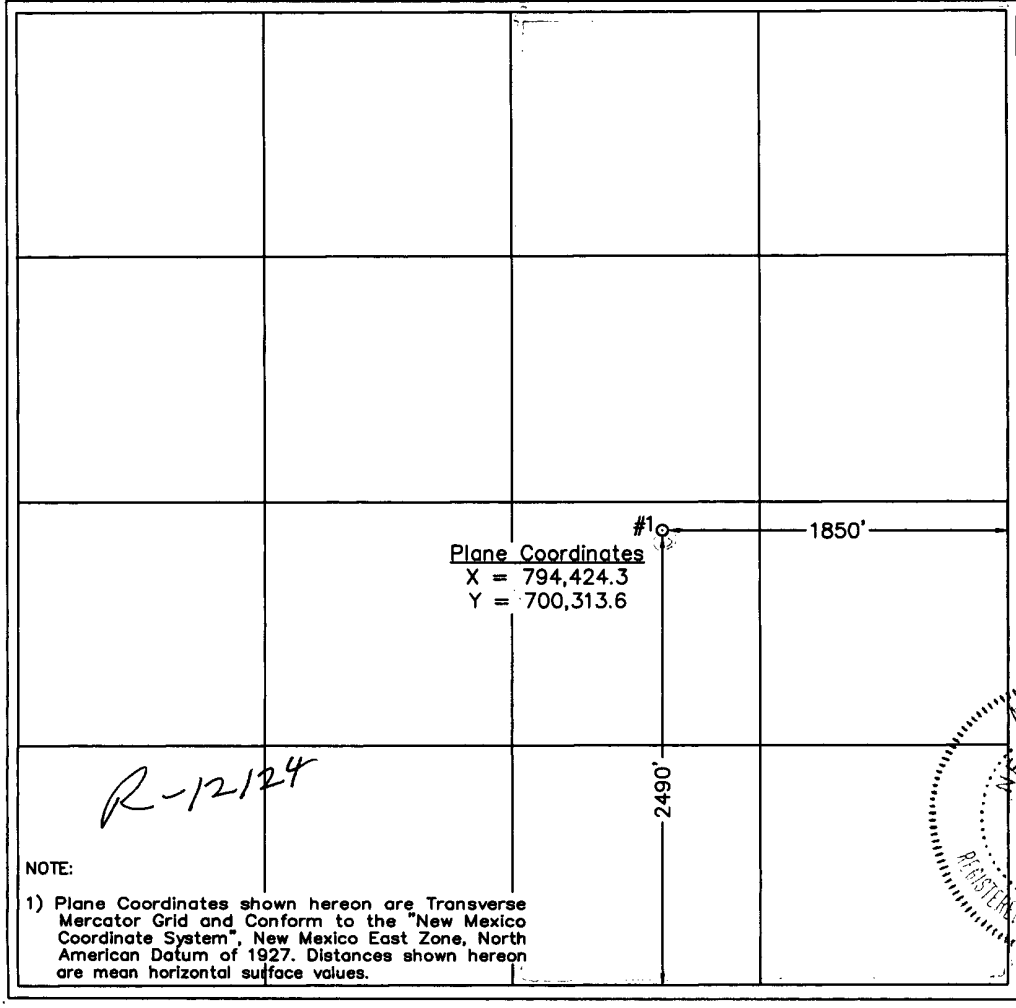
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	16 S	36 E		2490	SOUTH	1850	EAST	LEA

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	Joint or Infill	Consolidation Code	Order No.
320 Acres			

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



NOTE:

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OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Barbara Watson
Signature

Barbara Watson
Printed Name

Regulatory Compliance
Title

3/12/04
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 supervison and that the same is true and correct to the best of my belief.

October 30, 2003
Date Surveyed

LVA
Signature & Seal of Professional Surveyor

12185

W.O. Num. 2003-0589

Certificate No. MACON McDONALD 12185

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
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State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised May 08, 2003

WELL API NO. 30-025 - 36657
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.

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" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Berry Hobbs Unit 17 Prop. No.30992
1. Type of Well: Oil Well ☒ Gas Well ☐ Other
8. Well Number: 1
2. Name of Operator: Permian Resources, Inc.
9. OGRID Number: 25797
3. Address of Operator: P.O. Box 590, Midland, Texas, 79702
10. Pool name or Wildcat: Shoebar, NE (Strawn) / Wildcat (Miss, Atoka,Morrow, Chester)
4. Well Location

Unit Letter J : 2490 feet from the South line and 1850 feet from the East line

Section 17 Township 16S Range 36E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3929' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER: Lined Earthen Pits	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated dat of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completio or recompletion.

Permian Resources Inc. submits the following Attachment for the Berry Hobbs Unit 17 - 1.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Barbara Watson TITLE Regulatory Compliance DATE 03/11/04

Type or print name Barbara Watson Telephone No. 432/685-0113

(This space for State use)

APPPROVED BY Paul F. Kautz TITLE PETROLEUM ENGINEER DATE APR 01 2004

Conditions of approval, if any:

Permian Resources, Inc.
Berry Hobbs Unit 17 – 1
Lea Co., New Mexico
Attachment to C103

Contacted The College of Southwest, surface owner of S/2 Section 17 and obtain permission to survey location and negotiate surface damages for drilling pad and access road as detailed and earthen reserve pits. The referenced drilling location is located approximately 7/8^{ths} of a mile SW of the SW corner of the "Incorporated City Limits of Lovington, New Mexico". The surface location is generally level to gently undulating with some confined depressions. The lands are inhabited by native grasses and generally utilized for livestock grazing. The nearest residence is located ± 3500' (2/3^{rds} of a mile) NE of the proposed drill site in the NE/4 NE/4 NE/4 of Section 17. Considering the existing surface geology, hydrology, habitat and distance to any permanent structures, the referenced well will drilled utilizing earthen reserve pits to be in accordance with the **STATE OF NEW MEXICO, ENERGY AND MINERALS DEPARTMENT, OIL CONVERSATION DIVISION RULES AND REGULATIONS, TITLE 19; NATURAL RESOURCES AND WILDLIFE, CHAPTER 15: OIL AND GAS, PART 2 GENERAL OPERATING PRACTICES, WASTES ARISING FROM EXPLORATION AND PRODUCTION**
19.15.2.50 PITS AND BELOW-GRADE TANKS:

All top soil will be removed and stock piled from the proposed earthen pit location. Dig pits and utilize excavation material from pits as base material for rig location. If required, additional base material ("caliche") will be hauled from nearest pit. Earthen reserve pits will be double lined with 9 mil woven plastic lining material

Upon completion of drilling operations the fluids and solids in the earthen pits will be allowed to settle and separate. The free liquids will be trucked to an authorized disposal facility. The solids will then be allowed to dry and then be "deep buried" below surface grade and the stock piled top soil will be returned to the earthen pit area, fertilized and disked.

Permian Resources, Inc

Berry Hobbs Unit 17-1
Drilling Summary

Procedure to Drill Vertical Wellbore to Test, Log and Evaluate NE Shoe Bar (Strawn) & Wildcat (Mississippian – Morrow) Pools.

Proposed Surface Location	Proposed Bottom Hole Location
2,490' FSL & 1,850' FEL	2,490' FSL & 1,850' FEL
Section 17, T16S, R36E	Section 17, T16S, R36E
Lea County, New Mexico	Lea County, New Mexico

Proposed Hole Sizes, Casing Sizes and Cement

17-1/2" hole @ 450'	13-3/8"	54.5 #/ft casing @ 450'	Cmt w/ ±300 sx Class "C" w/ 4% gel + 2%CaCl + ¼ pps cello-flake. Tail w/ 150 sx Class "C" w/ 2 % CaCl. Sufficient to circulate to surface.
11" hole @ ± 4,900'	8-5/8"	32 & 24 #/ft casing @ ±4,900'	Cmt w/ ±1550 sx Interfill H (50:50 Poz/ Class H + 10% gel) + ¼ pps cello-flake.Lite lead + 250sx Premium "C" + 2% CaCl tail. Sufficient to circulate to surface.
7-7/8" hole @ ± 12,800'	5-1/2"	17 #/ft casing @± 12,800'	1st Stage Cmt w/ ±500 sx Super "H" w/ 1 pps salt, 0.5% Halad-344, 0.4% CFR-3, 0.2% HR-7 lead + 150 sx Premium Plus w/ 0.1% HR- & tail.
		DV Tool @ ± 9500'	2nd Stage Cmt w/ ± 600 sx Interfill "H" lead + 150 sx Premium Plus w/ 0.1% HR-7. Sufficient to bring TOC to ±4,700'.

Abbreviated Proposed Procedure

Contact The College of Southwest, surface owner of S/2 Section 17 and obtain permission to survey location and negotiate surface damages for drilling pad and access road as detailed and earthen reserve pits. The referenced drilling location is located approximately 7/8^{ths} of a mile SW of the SW corner of the "Incorporated City Limits of Lovington, New Mexico". The surface location is generally level to gently undulating with some confined depressions. The lands are inhabited by native grasses and generally utilized for livestock grazing. The nearest residence is located ± 3500' (2/3^{rds} of a mile) NE of the proposed drill site in the NE/4 NE/4 NE/4 of Section 17 (reference Section 2 "Proposed Drillsite Location, f. Arial Photograph of the proposed well location"). Considering the existing surface geology, hydrology, habitat and distance to any permanent structures, the referenced well will drilled **utilizing earthen reserve pits** to be in accordance with the **STATE OF NEW MEXICO, ENERGY AND MINERALS DEPARTMENT, OIL CONVERSATION DIVISION RULES AND REGULATIONS, TITLE 19; NATURAL RESOURCES AND WILDLIFE, CHAPTER 15: OIL AND GAS,**

PART 2 GENERAL OPERATING PRACTICES, WASTES ARISING FROM EXPLORATION AND PRODUCTION
19.15.2.50 PITS AND BELOW-GRADE TANKS:

1 Contract John West Surveys to survey confirming surface location as permitted and providing latitude and longitude. Build roads, location, cellar and dig pits to accommodate selected drilling rig (TMBR/ Sharp Rig # 23) in accordance with the "Drilling Pad Schematic", Section 12 of the Drilling Procedure Manual. Remove and stock pile all top soil from the proposed location. Dig pits and utilize excavation material from pits as base material for rig location. If required, additional base material ("caliche") will be hauled from nearest pit. **Earthen reserve pits will be double lined with 9mil woven plastic lining material.** Install **wood** lined cellar and drill mouse hole and rat hole.

2 MIRU rotary drilling rig (TMBR / Sharp Rig #23). Notify NMOCD District I office and City of Lovington representative of "Intent to Spud". Drill 17-1/2" surface hole utilizing FW native spud mud and circulating cellar returns with #2 pump cellar jet to ± 450'. Survey @ TD. Circ. and condition hole. Notify NMOCD District I office and City of Lovington representative of "Intent to Run & Cement Surface Casing". POOH w/ DP, Collars & BHA. Run ± 450' of 13-3/8" Used or LS, 54.5 #/ft, H-40, ST&C casing w/ float equipment. Land casing and cement with ±300 sx Class "C" w/ 4% gel + 2%CaCl + ¼ pps cello-flake. Tail in w/ 150 sx Class "C" w/ 2 % CaCl. Sufficient to circulate to surface. Circulate cement to surface. WOC 12 hrs. Cut off and weld on 13-3/8" x 8-5/8" series 600 flanged casing head. NU 11" x 5000# Shaffer double preventer with 11" x 5000# Hydril annular preventer. Test casing and BOP to 1000#. PU 11" Bit, BHA, collars and RIH. Wait on cement total of 18 hrs before drilling plug.

3 Drill 11" intermediate hole utilizing FW circulating inside reserve pit adding oil @ ± 1,600' for Red Beds. At ± 1,900', after drilling Red Beds, begin adding BW to system to minimize salt washout. 1 – 2 bags drilling paper every 100', caustic & lime for a 9.5-10 pH. Drill to TD @ ± 4,900'. If hole conditions dictate (tight hole sections), return to the working pits and add Yellow Starch for a ± 20cc API filtrate. Surveys every 500', Max deviation 5 deg., Max change 1-1/2 deg.. per 100'. Circ. and condition hole. POOH w/ DP, Collars & BHA.

4 Notify NMOCD District I office and City of Lovington representative of "Intent to Run & Cement Intermediate Casing". Run ± 4,900' of 8-5/8", 24 #/ft, J-55, 32 #/ft, J-55 and 32 #/ft, HCK-55, ST&C casing w/ float equipment. Land casing and cement with ±1550 sx Interfill H (50:50 Poz/ Class H + 10% gel) + ¼ pps cello-flake lead + 250sx Premium "C" + 2% CaCl tail. Sufficient to circulate to surface. WOC 8 hrs. Cut off and weld on 8-5/8" x 5-1/2" series 900 flanged casing head. NU BOP and test casing to 2000#.

5 Install & NU hydraulically operated choke, choke manifold, mud degasser and flare line pursuant to the "Blowout Preventor Schematic", Section 11 of the Drilling Procedure Manual. Install rotating head. Install linear motion "High G" shale shaker. Notify NMOCD District I office and City of Lovington representative of "Intent to Test BOP and Choke System". Test BOP, choke manifold and associated lines utilizing 3rd party service. PU 7-7/8" bit, BHA, collars and RIH. Wait on cement total of 18 hrs before drilling plug. RU H2S monitoring equipment per Indian Fire & Safety recommendations, Section 10 of the Drilling Procedure Manual. RU mud system monitoring equipment with: a) derrick floor indicators and visual and audio alarms, b) pit level gain & loss monitors, c) flowline mud flow sensor and d) trip volume tank.

6 Drill 7-7/8" hole utilizing FW circulating outside reserve pit adding Star NP-110 for solids. Lime for 9 – 9.5 pH and drilling paper for seepage. Utilize Poly-Vis II for periodic sweeps while

drilling prior to mud-up. Surveys every 500', max deviation 5 deg., max. change 1-1/2 deg. per 100'.

7 At 8,000' RU mud logging equipment and begin catching and evaluating 10' drilling samples.

8 If abnormal pressure is encountered (possible below ± 9,400' in the Wolfcamp formation), return into steel pits and add brine water to increase the mud weight to 8.8 – 9.0 ppg.

9 At ± 11,400' (prior to the Top of Strawn) return to steel pits (if no prior abnormal pressures encountered) and mud up utilizing a cut BW system for a mud weight of 9.0 – 9.2 ppg. Add Xantham Gum for a viscosity of 32 to 34 sec/1000cc's. Utilize White Starch to control the API fluid loss below 15 cc. Caustic Soda should be used for a 9.0 – 9.5 pH. A bactericide may be required to control sulfite-reducing bacteria (SRB's). If abnormal pressures are encountered while drilling below the Strawn interval utilize Salt to increase the mud weight up to 9.7 ppg. If additional weight is required add Barite per the mud company recommendations.

10 At ± 12,000' (prior to the Top of the Morrow Sands) lower the API fluid loss to <10 ccs utilizing White Starch and increase the viscosity with Xantham Gum to a 34 to 40 funnel viscosity. DST's may be run to evaluate the Strawn, Atoka, Morrow and or Chester formations. All DST's will be in accordance with NMOCD and City of Lovington, NM Rules and Regulations.

11 Drill 7-7/8" hole to ± 100' below last Chester drilling break / show but no deeper than 12,800'. Circulate and condition hole for logs. POOH w/ DP, Collars & directional BHA. Run open hole log suite consisting of GR / CNL / FDL and DLL / MSFL from TD to intermediate casing. GR / CNL to surface. Evaluate Wolfcamp, Strawn, Atoka, Morrow and Chester formations for election to run 5-1/2" casing and complete.

12 If elect to complete, TIH w/ Bit, BHA, DC's and DP. Circulate and condition hole for casing. Make short trip for casing pulling ± 20 stands. Return to bottom and circulate twice hole capacity. Spot 100 bbl viscous (± 42 viscosity) pill on bottom and POOH laying down DP, DC's and BHA

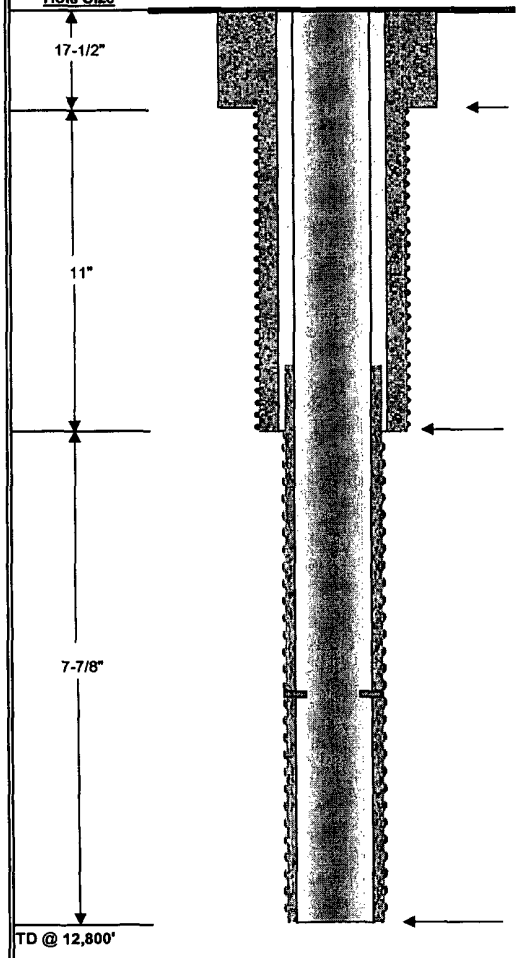
13 Notify NMOCD District I office and City of Lovington representative of "Intent to Run & Cement Production Casing". Run ± 12,800' of 5-1/2", 17 #/ft, N-80 & HPC-110, LT&C casing w/ float equipment and DV tool @ ± 9,500'. Land casing and cement 1st Stage with ±500 sx Super "H" w/ 1 pps salt, 0.5% Halad-344, 0.4% CFR-3, 0.2% HR-7 lead + 150 sx Premium Plus w/ 0.1% HR-& tail. 2nd Stage Cmt w/ ± 600 sx Interfill "H" lead + 150 sx Premium Plus w/ 0.1% HR-7. Cement volume will be modified as based upon open hole logs with sufficient volume to bring cement up inside intermediate casing to ± 4,700'. WOC 8 hrs. ND BOP, make rough cut on 5-1/2" casing and set slips. Cut off and weld on 5-1/2"x 2-7/8" series 900 flanged tubing head.

14 RD & MO rotary drilling rig. Install surface risers on 13-3/8" x 8-5/8" casing annulus and 8-5/8" x 5-1/2" casing annulus. Fill cellar with pea gravel. Level location and set anchors.

15 Proceed with completion procedure to be determined based upon productive intervals.

PERMIAN RESOURCES, INC.
PROPOSED 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:**	Est 1/15/2004	**COMP DATE:**	Est 2/20/2004
API#				**PREPARED BY:**	M. Stewart		
	DEPTH	**HOLE SIZE**	**SIZE**	**WEIGHT**	**GRADE**	**THREAD**	**TOC**
CASING:	450	17-1/2"	13-3/8"	54.5 #	H-40	ST&C	Surface
CASING:	4900	11"	8-5/8"	32 #	HCK-55 & J-55	LT&C	Surface
CASING:	12800	7-7/8"	5-1/2"	17 #	HPC-110 & N-80	LT&C	4700
TUBING:							
TUBING:							



Casing & Cement

13-3/8" CSG @ 450'
Lead: 300 sx PP w/ 4% gel
2% CaCl, 1/4 pps flocele
13.6 ppg, 1.71 yield
Tail: 150 sx PP w/ 2% CaCL
14.8 ppg, 1.34 yield
TOC Surface

8-5/8" CSG @ 4900'
Lead: 1550 sx Interfill H w/
1/4 pps flocele
11.9 ppg, 2.45 yield
Tail: 250 sx PP w/ 2% CaCL
14.8 ppg, 1.34 yield
TOC Surface

DV Tool @ 9500'
2nd Stage Lead: 600 sx
Interfill H
11.9 ppg, 2.45 yield
Tail: 150 sx PP w/ .1% HR-7
15.6 ppg, 1.19 yield
TOC @ 4700'

5-1/2" CSG @ 12800'
1st Stage Lead: 500 sx Super
H w/ 1 pps salt, .5% Halad-
344, .4% CFR-3, .2% HR-7
13.0 ppg, yield 1.67
Tail: 150 sx PP w/ .1% HR-7
15.6 ppg, 1.19 yield
TOC DV tool @ 9500'

Formation Tops & Depths

Red Beds	490
Dewey Lake	1650
Rustler Anhy.	1850
Top Salt	2000
B Salt / T Anhy	2900
Yates	3215
Queen	4080
San Andres	4870
Glorieta	6400
Tubb	7570
Abo	8300
Wolfcamp	9625
Wolfcamp "A"	10125
Wolfcamp "B"	10361
Wolfcamp "C"	10396
Strawn	11450
Atoka	11675
Morrow	12000
Chester	12340

OH Logging

GR/NEU
4900' to Surface

GR/Den/NEU/PE
DLL/MSFL/Sonic
TD to 4900'

Mudlogger @ 8000'

Mud

Surface to 450' FW
8.6-9.2 ppg
32-34 Vis, FL no control
Circ steel pits

450' to 1700' FW
8.6-9.2 ppg
32-34 Vis, FL no control
Circ inner reserve pit

1700' to 4900' BW
9.6-10.1 ppg
32-34 Vis, FL no control
Circ inner reserve pit
Build volume w/ BW

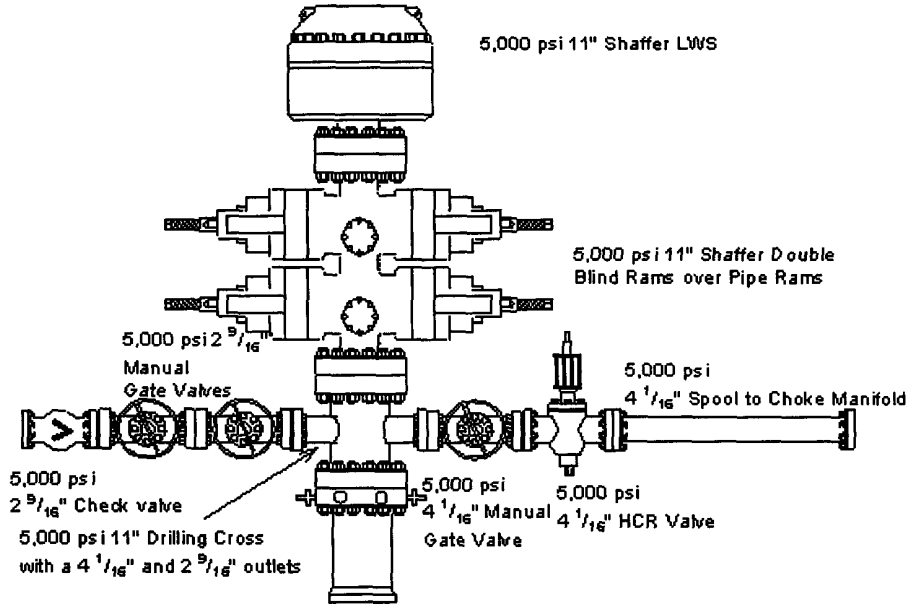
4900' to 9400' FW
8.4-8.6 ppg
28-29 Vis, FL no control
Circ outer reserve pit

9400' to 11400' Cut BW
8.8-9.0 ppg
28-29 Vis, FL no control
Circ steel pits

Mud-up w/ Xantham Gum
White Starch
11400' to 12000' Cut BW
8.9-9.2 ppg
32-34 Vis, FL < 15

12000' to TD Cut BW
9.2-10.5 ppg
34-40 Vis, FL < 10
Salt or Barite for Wt

Permian Resources, Inc
Berry Hobbs Well NO. 17-1
Patterson-UTI-TMBR/Sharp
Rig No. 623



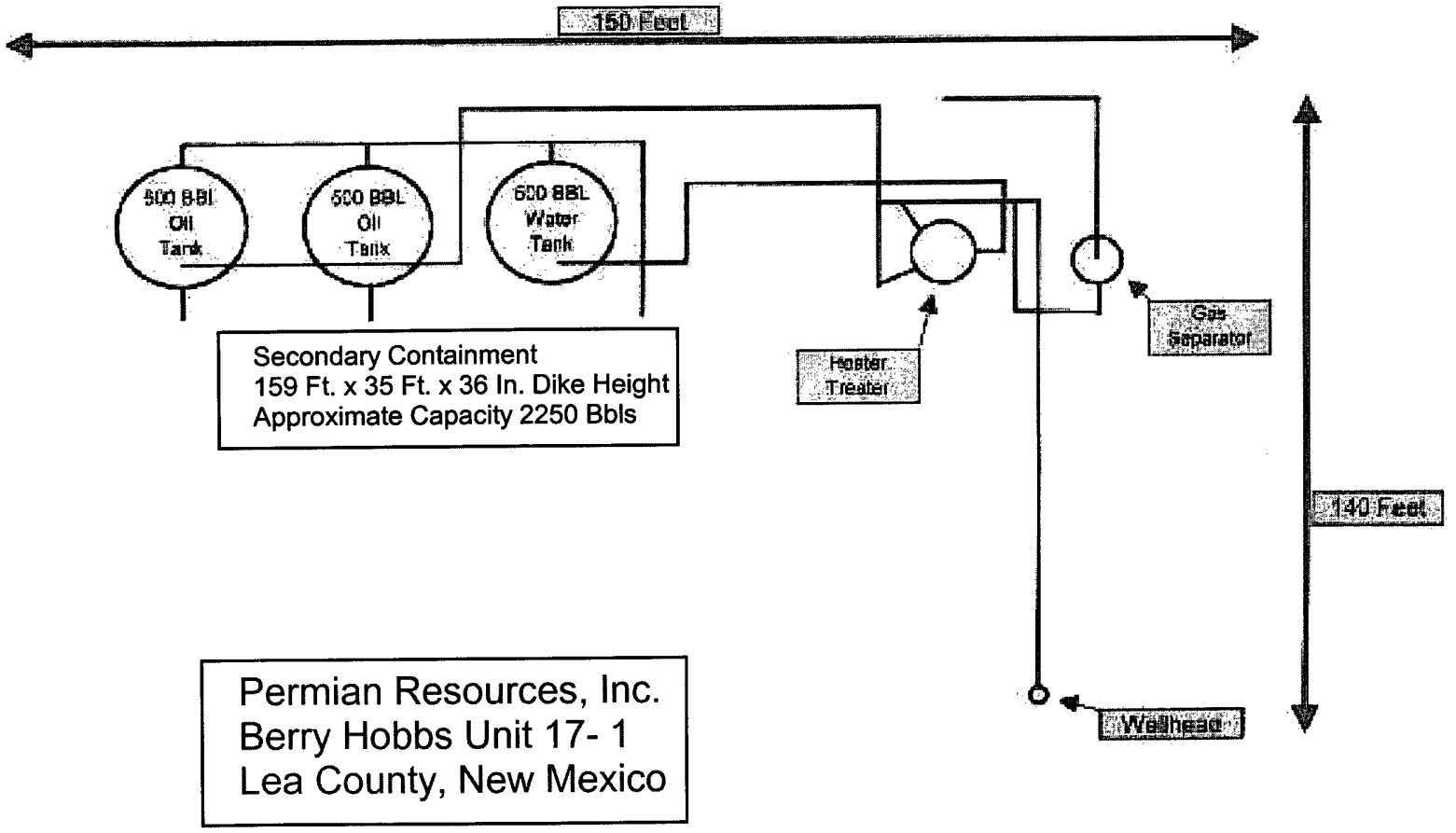
Houston, Texas, USA

Scale: NTS	Approved By: CWC	Drawn By: T.A. Strickland
Date Drawn: 11/12/03		Revised:

5,000 psi BOP Stack

Permian Resources | Drawing No: Fig.1.0

TYPICAL TANK BATTERY SCHEMATIC



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