

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
Department
Oil Conservation Division
1220 South St. Francis Dr.
HOBBS, NM 87505

Form C-144 CLEZ
July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☐ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

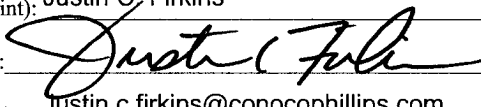
1.
Operator: ConocoPhillips Company OGRID #: 217817
Address: P.O. Box 51810, Midland, Texas 79710-1810
Facility or well name: State A-3 #3
API Number: 30-025-34207 OCD Permit Number: P1-01375
U/L or Qtr/Qtr I Section 3 Township 20S Range 37E County: Lea
Center of Proposed Design: Latitude _____ Longitude _____ NAD: ☐ 1927 ☐ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Operation: ☐ Drilling a new well ☒ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A
☒ Above Ground Steel Tanks or ☒ Haul-off Bins

3.
Signs: Subsection C of 19.15.17.11 NMAC
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
☒ Signed in compliance with 19.15.3.103 NMAC

4.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number: _____
☐ Previously Approved Operating and Maintenance Plan API Number: _____

5.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.
Disposal Facility Name: Controlled Recovery Disposal Facility Permit Number: R9166 NM-01-0006
Disposal Facility Name: _____ Disposal Facility Permit Number: _____
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☒ No
Required for impacted areas which will not be used for future service and operations:
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Justin C. Firkins Title: Regulatory Specialist
Signature:  Date: 09/25/2009
e-mail address: justin.c.firkins@conocophillips.com Telephone: 432-688-6913

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: _____ Approval Date: 09/29/09

Title: **Geologist** OCD Permit Number: P1-01375

8. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

10. **Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

ConocoPhillips Company
Closed Loop System Design, Operating and Maintenance, and Closure Plan

Well: State A-3 #3

Date: September 25, 2009

ConocoPhillips proposes the following plan for design, operating and maintenance, and closure of our proposed closed loop system for the above named well:

1. We propose to use a closed loop system with steel pits, haul-off bins, and frac tanks for containing all cuttings, solids, mud, water, brine, and liquids. We will not dig a pit, nor will we use a drying pad, nor will we build an earth pit above ground level, nor will we dispose of or bury any waste on location.

All drilling waste and all drilling fluids (fresh water, brine, mud, cuttings, drill solids, cement returns, and any other liquid or solid that may be involved) will be contained on location in the rig's steel pits or in haul-off bins or in frac tanks as needed. The intent is as follows:

- We propose to use the rigs' steel pits for containing and maintaining the drilling fluids.
- We propose to remove cuttings and drilled solids from the mud by using solids control equipment and to contain such cuttings and drilled solids on location in haul-off bins.
- We propose that any excess water that may need to be stored on location will be stored in frac tanks.

The closed loop system components will be inspected daily by each tour and any needed repairs will be made immediately. Any leak in the system will be repaired immediately, and any spilled liquids and / or solids will be cleaned up immediately, and the area where any such spill occurred will be remediated immediately.

2. Cuttings and solids will be removed from location in haul-off bins by an authorized contractor and disposed of at an authorized facility. For this well, we propose the following disposal facility:

Controlled Recovery Inc,
4507 West Carlsbad Hwy, Hobbs, NM 88240,
P.O. Box 388 Hobbs, New Mexico 88241
Toll Free Phone: 877.505.4274, Local Phone Number: 432-638-4076

The physical address for the plant where the disposal facility is located is Highway 62/180 at mile marker 66 (33 miles East of Hobbs, NM and 32 miles West of Carlsbad, NM).

The Permit Number for CRI is R9166

A photograph showing the type of haul-off bins that will be used is attached.

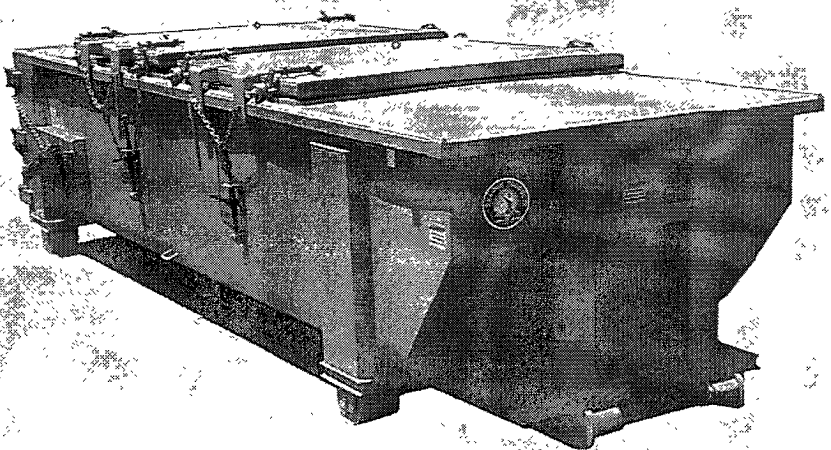
3. Mud will be transported by vacuum truck and disposed of at Controlled Recovery Inc at the facility described above.
4. Fresh Water and Brine will be hauled off by vacuum truck and disposed of at an authorized salt water disposal well. We propose the following for disposal of fresh water and brine as needed:
 - Nabors Well Services Company, 3221 NW County Rd, Hobbs, NM 88240, PO 5208 Hobbs, NM, 88241, Permit SWD 092. (Well Location: Section 3, T19S R37E)
 - Basic Energy Services, PO Box 1869 Eunice, NM 88231 Phone Number 575 394 2545, Facility located at Hwy 18, Mile Marker 19, Eunice, NM.
 - Key Energy Services, 2105 Avenue O, Eunice, NM 88231, Phone Number 505 394 2585 (Atha Well, Section 31 T21S R36E, BLM Permit # LC036441) (Christmas Well, Unit B, Section 28, T22S R37E, State Permit # SWD # 606)

Jason D. Tilley, Sr. Drilling Engineer
ConocoPhillips Company, 600 North Dairy Ashford, Room # 2WL-13016, Houston, TX 77079-1175
Office Phone 832 486 2919, Cell Phone 281 684 4720

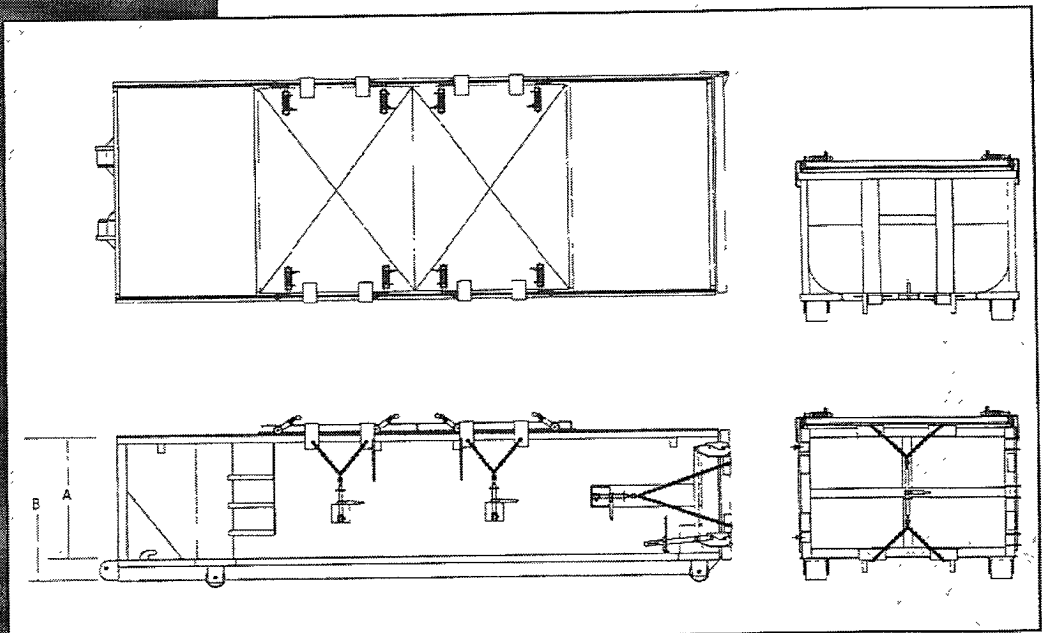
SPECIFICATIONS

Heavy Duty Split Metal Rolling Lid

FLOOR: 3/16" PL one piece
 CROSS MEMBER: 3 x 4.1 channel 16" on center
 WALLS: 3/16" PL solid welded with tubing top, inside liner hooks
 DOOR: 3/16" PL with tubing frame
 FRONT: 3/16" PL slant formed
 PICK UP: Standard cable with 2" x 6" x 1/4" rails, gusset at each crossmember
 WHEELS: 10 DIA x 9 long with rease fittings
 DOOR LATCH: 3 Independent ratchet binders with chains, vertical second latch
 GASKETS: Extruded rubber seal with metal retainers
 WELDS: All welds continuous except sub-structure crossmembers
 FINISH: Coated inside and out with direct to metal, rust inhibiting acrylic enamel color coat
 HYDROTESTING: Full capacity static test
 DIMENSIONS: 22'-11" long (21'-8" inside), 99" wide (88" inside), see drawing for height
 OPTIONS: Steel grit blast and special paint, Ampliroll, Heil and Dino pickup
 ROOF: 3/16" PL roof panels with tubing and channel support frame
 LIDS: (2) 68" x 90" metal rolling lids spring loaded, self raising
 ROLLERS: 4" V-groove rollers with delrin bearings and grease fittings
 OPENING: (2) 60" x 82" openings with 8" divider centered on container
 LATCH: (2) independent ratchet binders with chains per lid
 GASKETS: Extruded rubber seal with metal retainers



CONT.	A	B
20 YD	41	53
25 YD	53	65
30 YD	65	77



State A-3 #3
WBS ELEMENT – WA5.CNM._____
WellView Well Name –State A-3 #3
Re-Completion Procedure

September 18, 2009

Objective: Add the Blinebry to the existing Tubb perforations.

COPC WI: 100%	COPC NRI: 87.5%	
Well Status: Prod	Well Type: Oil Well	County: Lea
Area: Permian	Field: Strawn	Team: Permian Oil
Venting: Permit not required	Flaring: Permit not required	H ₂ S: Possible
Well Control: Class 2 Category 2	(post perforating & post stimulation)	

IMPORTANCE OF SAFETY

Safe operations are of utmost importance at all ConocoPhillips properties and facilities. To further this goal, the ConocoPhillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. All company, contract, and service personnel then present shall attend these tailgate safety meetings at the location. All parties shall review the proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the Well View daily report.

History / Justification

The State A-3 #3 was originally drilled to 7000' in December 1997. The well was completed in the Tubb from 6410-6662' and frac'd with 133,200# of 16/30 sand. Perfs were added from 6680-6715' in February 1999. The Tubb has produced 28,277 BO and 751,793 Mcf thru February 2009 according to Dwight's PI. The last test of the Tubb showed the well was making ___ BO and ___ Mcf. It is proposed to add the Blinebry from 5719-5891' to the existing Tubb completion.

An initial rate of ___ BOPD with ___ Mcf/d is projected based upon the initial rates of the offset wells. Economics were performed using an exponential decline rate of 25% per year, a recompletion cost of \$___0,000, and an operating cost of \$7.92/BOE per year. ConocoPhillips owns a 100% WI and a NRI of 87.5% in the Hardy State lease. This project yields an ATAX ROR of ___% with a NPV of \$___M at 13%.

State A-3 #3
Add Blinebry perms

AFE Number: WA5.CNM.____

API Number: 30-025-34207

Field: Monument Tubb

Location: 2310' FSL & 990' FEL, Sec. 3, T-20-S, R-37-E, Lea County, NM

Depths: TD = 7000'; PBTD = 6952'

Elevation: GR = 3577' KB = 3589'

Casing Data:

Existing & Proposed Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Int. Csg	8 $\frac{5}{8}$	1245'		23#	M-50					
*Prod.	5 $\frac{1}{2}$	7000'	4.892/4.767	17#	J-55	5320	4626	4910	4676	1302
Prod. Tbg	2 $\frac{7}{8}$		2.441/2.347	6 5#	J-55	7260	6313	7680	7314	.00579

Top of Cement: surface

Casing Fluid: 2% KCl (0.438 psi/ft)

Proposed Cased Hole Perforations

Formation	Perforations (MD)	Frac Grad	Perf Feet	SPF	Phase	Zero Hole	Holes	Anticipated Reservoir Pressure	Reservoir Temp
Blinebry	5719-5720'	.75	1	1	60°	Yes	2	2659	104°
	5725-5730'	.75	5	1	60°	No	5	2662	104°
	5736-5744'	.75	8	1	60°	No	8	2667	104°
	5772-5777'	.75	5	1	60°	No	5	2684	104°
	5796-5810'	.75	14	1	60°	No	14	2695	104°
	5815-5823'	.75	8	1	60°	No	8	2704	104°
	5840-5843'	.75	3	1	60°	No	3	2716	104°
	5855-5860'	.75	5	1	60°	No	5	2723	104°
	5875-5879'	.75	4	1	60°	No	4	2732	104°
	5887-5891'	.75	4	1	60°	No	4	2737	104°

Correlation Log: BPB Compensated Neutron – Compensated Photo-Density Log dated 01/05/98
Gun Type: 3 $\frac{3}{8}$ " High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37")

Prepared by: David McPherson: Contract Production Engineer, Panhandle/Permian Group
Mobile: 1(903) 316-4272 Home: 1(903) 894-3547

GENERAL NOTES

1. No project or task is to be performed unless it can be done safely and without harm to the environment. All work must comply with all State and Federal regulations and with COPC Safety and Environmental Policies.
2. Conduct daily safety meetings and review all procedures with all contractors prior to performing the operation.
3. Report all activity on the Well View Daily Completion Work-Over Report.
4. Insure contractors are familiar with and comply with all relevant COPC safety/environmental policies.
5. Spills are to be prevented. Utilize a vacuum truck as necessary.
- 6. All references to 2% KCl water is powdered 2% KCl.**
7. Throughout the entire completion process, any fluids from the well-bore that are displaced or produced must be sent through the flow-back equipment so that the fluids can be properly disposed.
8. Verify that all pressured lines and fittings meet or exceed the MPSP (Maximum Predicted Surface Pressure) for the treatment lines of **5250** psi for the pressure test during stimulation operations. Maximum treatment pressure during the acid treatment will be **6000** psi. MPSP from the zone should not be greater than 2000 psi before & after stimulation operations of the Blinebry zones.
9. Well control for this well will be Class 2, Category 2 before and after stimulation. Expected Shut in Casing Pressures (SICP) before & after stimulation should not exceed 2000 psi.

Mid-Continent / Permian / Hobbs East Contact List:

Reservoir Engineer:	D. Pecore	832-486-2145
Production Engineer:	J. Lowder	432-368-1609
Facilities Engineer Tech:	L. Johansen	432-368-1223
Operations Supervisor:	J. Coy	505-391-3127
Projects Planner:	D. Garrett	505-368-1410
Production Foreman:	V. Mackey	505-391-3129

Recommended Procedure

1. MIRU well service unit. ND wellhead and NU BOP's and test. POOH with 2 $\frac{7}{8}$ ", 6.5#, J-55 tubing. Scan tubing while pulling. If tubing is acceptable, use 2 $\frac{7}{8}$ ", 6.5#, J-55 production tubing as workstring, and haul in enough workstring for bit run in Step #2. If tubing is unacceptable, lay down 2 $\frac{7}{8}$ ", 6.5#, J-55 tubing, send tubing in for inspection, place all inspected yellow and blue band tubing in COPC inventory, and haul in 7000'± of 2 $\frac{7}{8}$ ", 6.5#, J-55 production tubing and enough workstring for bit run in Step #2.
2. PU and TIH with 4 $\frac{5}{8}$ " bit on 2 $\frac{7}{8}$ ", 6.5#, J-55 workstring to 6952'±, circulating well clean with 2% KCL water. Test 2 $\frac{7}{8}$ ", 6.5#, J-55 workstring to 6000 psi while TIH. POOH with 2 $\frac{7}{8}$ ", 6.5#, J-55 workstring and bit. Lay down drill bit.
3. MIRU Schlumberger wireline. RU 1000 psi lubricator. Set composite plug at 6200'±. Correlate to BPB Compensated Neutron – Compensated Photo-Density Log dated 01/05/98. RU pump truck and test casing to 1000 psi. RD pump truck. Perforate the Blinbry from 5719-5720' (2 holes), 5725-5730' (5 holes), 5736-5744' (8 holes), 5772-5777' (5 holes), 5796-5810 (14 holes), 5815-5823' (8 holes), 5840-5843' (3 holes), 5855-5860' (5 holes), 5875-5879' (4 holes), and 5887-5891' (4 holes) with 1 SPF 60° phasing, using 3 $\frac{3}{8}$ " High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37"). RD/MO wireline and lubricator.
4. PU 3 $\frac{1}{2}$ ", 9.3#, N-80 workstring. TIH with 5 $\frac{1}{2}$ " packer on 3 $\frac{1}{2}$ " workstring. Test 3 $\frac{1}{2}$ " workstring to 7500 psi while TIH. Set packer at 5650'±.
5. Spot two 500 bbl clean, lined frac tanks and fill with 2% KCl. Add biocide to the first load of each tank.
6. MIRU Schlumberger pumping services fracturing equipment. RU and test all lines to 7,500 psi and monitor for 5 min. Make sure the pressure does not decrease more than 300 psi over the 5 min. Pressure up casing / tubing annulus to 300 psi and monitor during job.
7. Perform acid ballout with 3000 gals 15% HCl acid at 6-10 bpm with 70± 1.3 SG bio balls as per attached procedure. When acid is on perms, bring rate up to 15-16 BPM. Obtain ISIP and 5 minute shut-in pressure. Surge the well 3-4 times to dislodge balls. Shut down for 30 minutes to allow balls to fall.

Note: It is a ConocoPhillips policy to have shower facilities on location when using acid.

8. Fracture treat the Blinbry with 31,400 gal of YF125ST containing 79,200 lbs of 20/40 sand coated with prop-net as per attached treating schedule. Set treating line pop off at 7000 psi. Set pump trips at 6500 psi. Set annulus pop off at 700 psi. Frac at 30± BPM with maximum wellhead treating pressure of 5500 psi.

9. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger Iron.
10. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. POOH with 5½" packer and 3½" workstring. Lay down 3½" workstring.
11. TIH with 4⅝" bit on 2⅞" workstring to 6400'±. Circulate out any excess sand from frac job. Do not drill out composite plug. POOH with 2⅞" workstring.
12. RIH with the 2⅞" production tubing (per tubing design in Well View). Place the EOT at 5930'± with the tubing anchor at 5650'±. Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve. Do not put any more fluid on well than is absolutely necessary.)
13. ND BOP's and NU wellhead. Do not add any additional fluid. RU wireline and TIH with BHP bomb. Shut well in overnight to obtain a static bottom hole pressure.
14. POOH with pressure survey. RD wireline.
15. RIH with pump and rods (per rod design in Well View). Space and hang well on. Load tubing and check pump action.
16. RD/MO well service rig. Release any ancillary equipment. Clean up location.
17. Turn well over to Operations. Place well on production. Report well tests on morning report. Place stabilized well test in Field View. Contact chemical representative to place well on corrosion inhibition and scale squeeze program if needed. Submit change of status report.

State A-3 #3

CURRENT WELLBORE DIAGRAM

API #:	30-025-34207		
FIELD:	Monument Tubb		
CO ST:	Lea, NM	AREA:	Hobbs East
SECTION:	3	TOWNSHIP:	20S
		RANGE:	37E
LOCATION:	2310 FSL & 990 FEL		
DATES:	SPUD: 12/18/97	IC:	1/23/98
	LATEST RIG WORKOVER: 2/22/99		
	DIAGRAM REVISED: 09/16/09 by D. McPherson		

	CASING		LINER	TUBING
Hole Size	12 1/4"	7 1/8"		
Pipe Size	8 5/8"	5 1/2"		2 1/8"
Weight	23#	17#		6.5#
Grade	M-50	J-55		J-55
Thread	ST&C	LT&C		8 rd
Depth	1245'	7000'		6697'

ELEVATION. GR 3577', KB 3589'

8 5/8" @ 1343 5, cmt w/ 515 sxs

DV tool @ 4003'

Tubb
 Perfs: 6410-14', 6448-54', 6512-20', 6546-50', 6558-64'
 Perfs: 6584-96', 6620-30', 6646-52', 6658-62' (1/14/98)
 Acidized w/ 3000 gals 15% HCl; Frac'd w/ 133,200# 16/30 SD (1/16/98)
 Perfs: 6680-88', 6691-93', 6698-6706', 6709-15' (2/18/99)

5 1/2" @ 7000' cmt w/ 1935 sxs
 PBTD = 6952'

COMMENTS

TD 7000'

State A-3 #3

PROPOSED WELLBORE DIAGRAM

API #: 30-025-34207
 FIELD: Monument Tubb
 CO ST: Lea, NM AREA: Hobbs East
 SECTION: 3 TOWNSHIP: 20S RANGE: 37E
 LOCATION: 2310 FSL & 990 FEL
 DATES: SPUD: 12/18/97 IC: 1/23/98
 LATEST RIG WORKOVER: 2/22/99
 DIAGRAM REVISED: 09/16/09 by D. McPherson

8 5/8" @ 1343.5, cmt w/ 515 sxs

	CASING		LINER	TUBING
Hole Size	12 1/4"	7 7/8"		
Pipe Size	8 5/8"	5 1/2"		2 7/8"
Weight	23#	17#		6 5#
Grade	M-50	J-55		J-55
Thread	ST&C	LT&C		8 rd
Depth	1245'	7000'		5930'±

ELEVATION: GR 3577', KB 3589'

DV tool @ 4003'

TAC @ 5650'±

Perfs: 5719-20', 5725-30', 5736-44', 5772-77', 5796-5810',

Perfs: 5815-23', 5840-43', 5855-60', 5875-79', 5887-91'

EOT @ 5930'±

Composite plug @ 6000'±

Tubb

Perfs: 6410-14', 6448-54', 6512-20', 6546-50', 6558-64'

Perfs: 6584-96', 6620-30', 6646-52', 6658-62' (1/14/98)

Acidized w/ 3000 gals 15% HCl; Frac'd w/ 133,200# 16/30 SD (1/16/98)

Perfs: 6680-88', 6691-93', 6698-6706', 6709-15' (2/18/99)

5 1/2" @ 7000' cmt w/ 1935 sxs

PBTD = 6952'

COMMENTS

- The Tubb has produced 28,277 BO, 751,793 Mcf, and 11,814 BW thru 2/2009

TD

7000'



WELL DATA

Well Data

Pump Treatment Down:
 Surface Temperature: degF
 Bottom Hole Static Temperature (BHST):
 Bottom Hole Pressure (BHP):
 Fracture Gradient:

Casing

OD	ID	Top Depth	Bottom Depth	Weight	Grade
5.500 in	4.892 in	0.0 ft	7000.0 ft	17.0 lb/ft	J-55

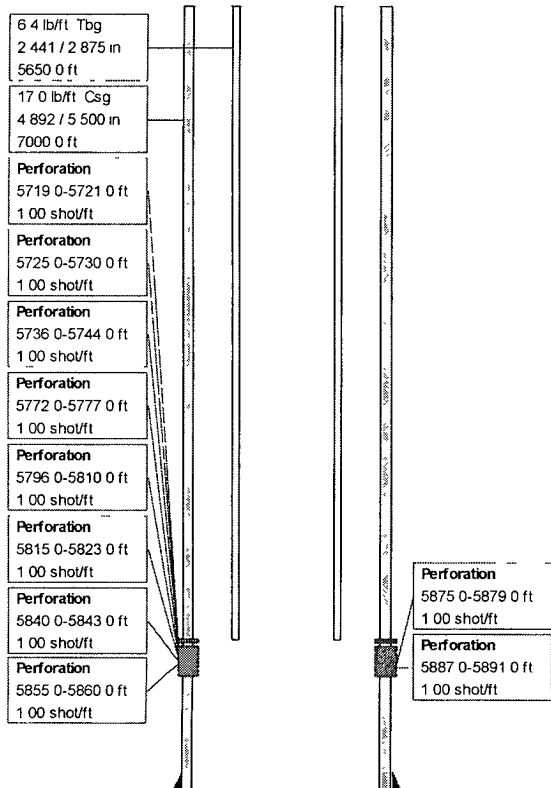
Tubing

OD	ID	Top Depth	Bottom Depth	Weight	Grade
2.875 in	2.441 in	0.0 ft	5650.0 ft	6.4 lb/ft	J-55

Perforations

Treatment Interval: 58.0 ft

Top Depth	Bottom Depth	Shot Density
5719.0 ft	5721.0 ft	1.00 shot/ft
5725.0 ft	5730.0 ft	1.00 shot/ft
5736.0 ft	5744.0 ft	1.00 shot/ft
5772.0 ft	5777.0 ft	1.00 shot/ft
5796.0 ft	5810.0 ft	1.00 shot/ft
5815.0 ft	5823.0 ft	1.00 shot/ft
5840.0 ft	5843.0 ft	1.00 shot/ft
5855.0 ft	5860.0 ft	1.00 shot/ft
5875.0 ft	5879.0 ft	1.00 shot/ft
5887.0 ft	5891.0 ft	1.00 shot/ft





PROCEDURES

1. MI (Move in) Schlumberger equipment.
2. Conduct Rig-up, Prime-up and pressure test safety meeting.
3. RU (Rig up) Schlumberger equipment and pressure test to customer master valve.
4. Conduct pre-job safety meeting.
5. Perform treatment per design pumping schedule and instructions of client representative.
6. Throughout the entire completion process, any fluids from the well-bore that are displaced or produced must be sent through the flow-back equipment so that the fluids can be properly disposed. This note includes Cross-Link fluid samples during treatment. These are to be emptied in an approved "Metal" bucket (read: Not Plastic!!) and disposed of properly. The practice of pouring said samples on the ground is NOT acceptable.
7. * Remember to cut PropNET when Sand Chief empty thus leaving only the proppant in the hopper remaining prior to flush
8. Pump frac job as per provided Schlumberger Job Procedure as follows:
9. Perform acid ballout with 3000 gals 15% HCl acid at 6-10 bpm with 70 ± 1.3 SG bio balls as per attached procedure. When acid is on perfs, bring rate up to 15-16 BPM. Obtain ISIP and 5 minute shut-in pressure. Surge the well 3-4 times to dislodge balls. Shut down for 30 minutes to allow balls to fall.
10. Note: It is a ConocoPhillips policy to have shower facilities on location when using acid.
11. Fracture treat the Blinbry with 31400 gal of YF120ST containing 79,200 lbs of 20/40 sand coated with prop-net as per attached treating schedule. Set treating line pop off at 7000 psi. Set pump trips at 6500 psi. Set annulus pop off at 700 psi. Frac at $30 \pm$ BPM with maximum wellhead treating pressure of 5500 psi.
12. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger Iron.
13. Conduct post job rig down meeting.
14. Rig down Schlumberger equipment.
15. Conduct convoy meeting and move out Schlumberger equipment.