

HOBBS OCD

OCD Hobbs

AUG 10 2016

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ATS-15-742

(D)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC057210
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator ConocoPhillips Company (217817)		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 600 N. Dairy Ashford Rd.; P10-3096 Houston, TX 77079-1175		8. Lease Name and Well No. MCA Unit 551 (71422)
3b. Phone No. (include area code) 281-206-5281		9. API Well No. 30-025-43384
4. Location of Well (Report location clearly and in accordance with any State requirements*) At surface 1966' FNL and 1079' FEL; UL D, Sec. 28, T17S, R32E (H) At proposed prod. zone 2047' FNL and 1331' FEL; UL G, Sec. 28, T17S, R32E (G)		10. Field and Pool, or Exploratory Maljamar; Grayburg, San Andres 43329
14. Distance in miles and direction from nearest town or post office* Approximately 3.5 miles south east of Maljamar; New Mexico		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 28, T17S, R32E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 11' to UL line	16. No. of acres in lease 1200.00	17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. approx. 450' at surface	19. Proposed Depth 4523' MD/4508' TVD	20. BLM/BIA Bond No. on file ES0085
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3993' GL	22. Approximate date work will start* 01/01/2016	23. Estimated duration 7 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Susan B. Maunders	Name (Printed/Typed) Susan B. Maunders	Date 6/5/15
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Title

Senior Regulatory Specialist

Approved by (Signature) /s/George MacDonell	Name (Printed/Typed)	Date AUG 1 - 2016
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Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

Roswell Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

ConocoPhillips, MCA UNIT 551

1. Geologic Formations

TVD of target	4508'	Pilot hole depth	NA
MD at TD:	4523'	Deepest expected fresh water:	855'

Permian Basin

Formation	TVD (ft)
Rustler	855
Salado	1025
Tansill	2025
Yates	2180
Seven Rivers	2515
Queen	3140
Grayburg	3495
San Andres	3875
TD	4508

2. Casing Program

See COA

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
12.25"	0	890' 890' 935'	8.625"	24	J55	STC	3.48	7.5	11.4
7.875"	0	4513	5.5"	17	J55	LTC	2.09	2.27	3.22
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

ConocoPhillips, MCA UNIT 551

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	YES
Does casing meet API specifications? If no, attach casing specification sheet.	YES
Is premium or uncommon casing planned? If yes attach casing specification sheet.	NO
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	YES
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	N/A
Is well located within Capitan Reef?	NO
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	NO
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	NO
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	NO
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	NO
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	350	13.5	1.75	9.17	15.75	Lead: Class C + 4% Bentonite + 2% CaCl ₂ + 0.25% Cello Flake (LCM)
	250	14.8	1.34	6.36	8	Tail: Class C + 2% CaCl ₂
DV Tool- Contin- gency	450	11.5	3.22	19.06	29	Lead: Class C + 3% MPA-5 (strength enhancement) + 10% extender + .005 lbs/sx Static Free + .005 gps defoamer + .125 lb/sx Cello Flake + 3 lbs/sx LCM + 2% extender + 1% bonding improver + 6% Bentonite
	320	14.0	1.37	6.17	5.5	Tail: (35:65) Poz: Class C + 1% Extender + 1.5% Fluid Loss Add. + .125 lbs/sx Cello Flake + 3 lbs/sx LCM
	250	14.8	1.34	6.36	8	Stage 2: Class C + 2% CaCl ₂

ConocoPhillips, MCA UNIT 551

Prod.	450	11.5	3.21	19.34	29	Lead: Class C +10% Gas Migration Add.+2% Extender+3% MPA-5 (strength enhancement) +1% BA-10A (Bonding improver)+6% Bentonite
	320	14.0	1.37	6.48	5.5	Tail: (35:65) Poz:Class C+1% Extender+1.5% Fluid Loss Add.

Lab reports with recipe and the 500 psi compressive strength time for the cement will be onsite for review.

DV tool to be run and two stage cement job to be performed as contingency in the event of flows or severe losses while drilling and running casing. DV tool depth will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe.

Casing String	TOC	% Excess
Surface	0'	157% lead, 107% tail
Production	0'	262% lead, 81% tail

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
7-7/8"	11"	3M	Annular	x	70% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other*		
			Pipe Ram		
			Double Ram		
			Other *		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

ConocoPhillips, MCA UNIT 551

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
N	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
Y/N	Are anchors required by manufacturer?
N	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. See attached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss	PH
From	To					
0	Surf. shoe	FW Gel	8.5-9.0	28-40	N/C	N.C.
Surf. Shoe	TD	Saturated Brine	10.0	29	N/C	10-11

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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6. Logging and Testing Procedures

Logging, Coring and Testing.

NO	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
NO	Drill stem test? If yes, explain
NO	Coring? If yes, explain

See COA

Additional logs planned	Interval
Resistivity	
Density, GR, BHC	
CBL	
Mud log	
PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	1845 psi
Abnormal Temperature	No

- Mitigation measure for abnormal conditions - Loss of circulation is a possibility in the horizons below the Top of Grayburg. We expect that normal Loss of Circulation Material will be successful in healing any such loss of circulation events.

Gas detection equipment and pit level flow monitoring equipment will be on location. A flow paddle will be installed in the flow line to monitor relative amount of mud flowing in the non-pressurized return line. Mud probes will be installed in the individual tanks to monitor pit volumes of the drilling fluid with a pit volume totalizer. Gas detecting equipment and H2S monitor alarm will be installed in the mud return system and will be monitored. A mud gas separator will be installed and operable before drilling out from the Surface Casing. The gases shall be piped into the flare system. Drilling mud containing H2S shall be degassed in accordance with API RP-49, item 5.14. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

X	H2S is present
X	H2S Plan attached

8. Other facets of operation

Is this a walking operation? If yes, describe. **No**

Will be pre-setting casing? If yes, describe. **No**

A 10' rathole is planned between TD and production casing set depth.

Attachments

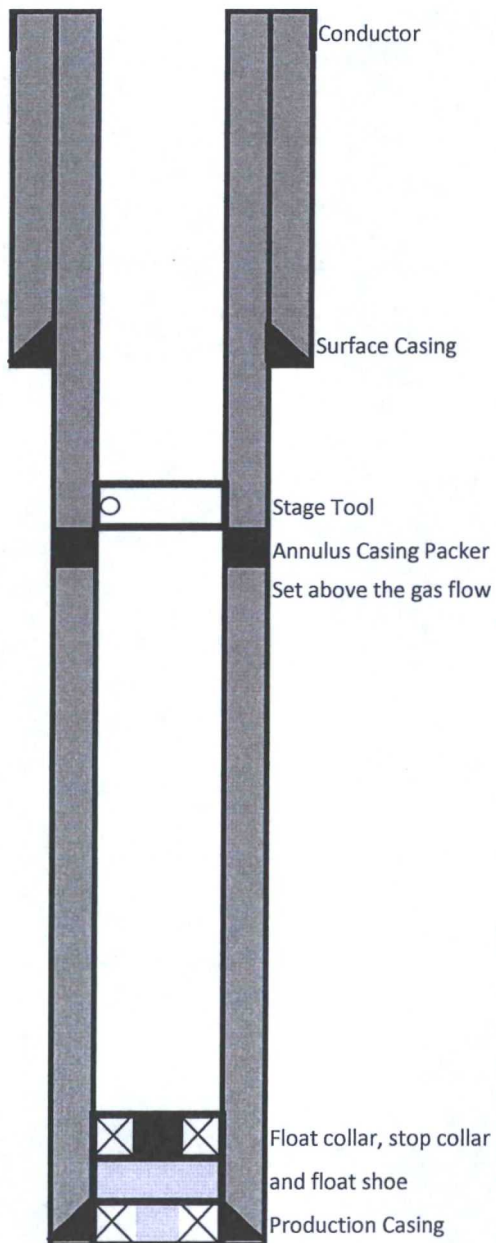
 X Directional Plan

 X Other, describe: Two Stage contingency cementing diagram; "Drill Plan Attachment"

Drill Plan Attachment

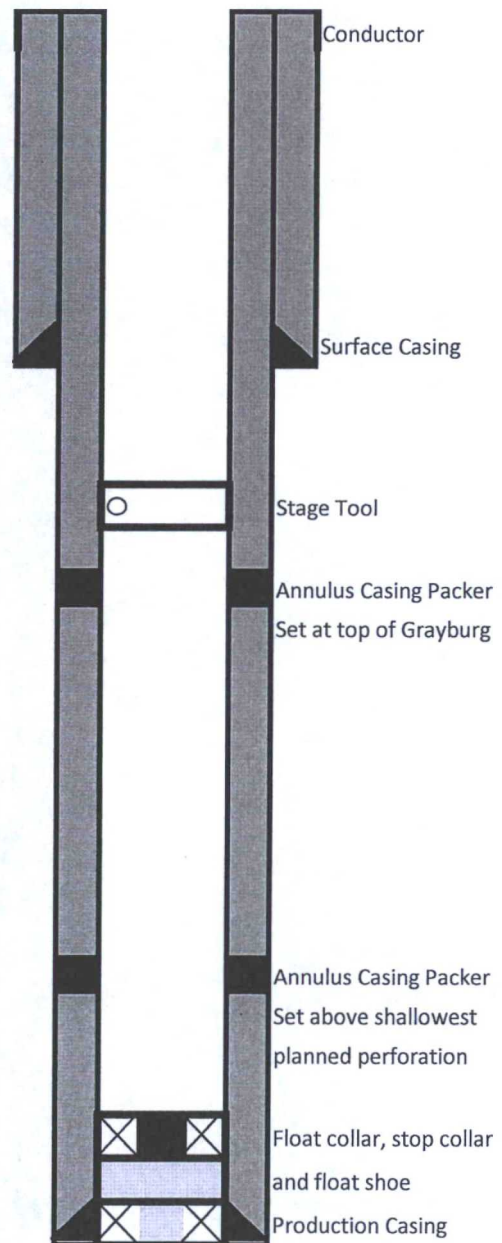
Two-Stage Cementing (Alternative for Shallow Gas)

Provide contingency plan for using two-stage cementing for the production casing cement job if gas flow occurs during the drilling operations. See APD Drill Plan Section 3.



Two-Stage Cementing (Alternative for Oil/Water/Gas & Water Flow)

Provide contingency plan for using two-stage cementing for the production casing cement job if oil or water flow occurs during drilling operations. See APD Drill Plan Section 3.



AUG 10 2016




Company: ConocoPhillips
 Site: MCA Unit
 Well: 551
 Project: Lea County, New Mexico (NAD 27)
 Rig Name: Precision 194



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
2026.50	0.00	0.00	2026.50	0.00	0.00	0.00	0.00	KOP, 1.50°/100' Build
2472.21	6.69	252.12	2471.20	-7.98	-24.72	25.97	25.97	Hold 6.69° Inc
4523.46	6.69	252.12	4508.50	-81.31	-251.99	264.78	264.78	PBHL

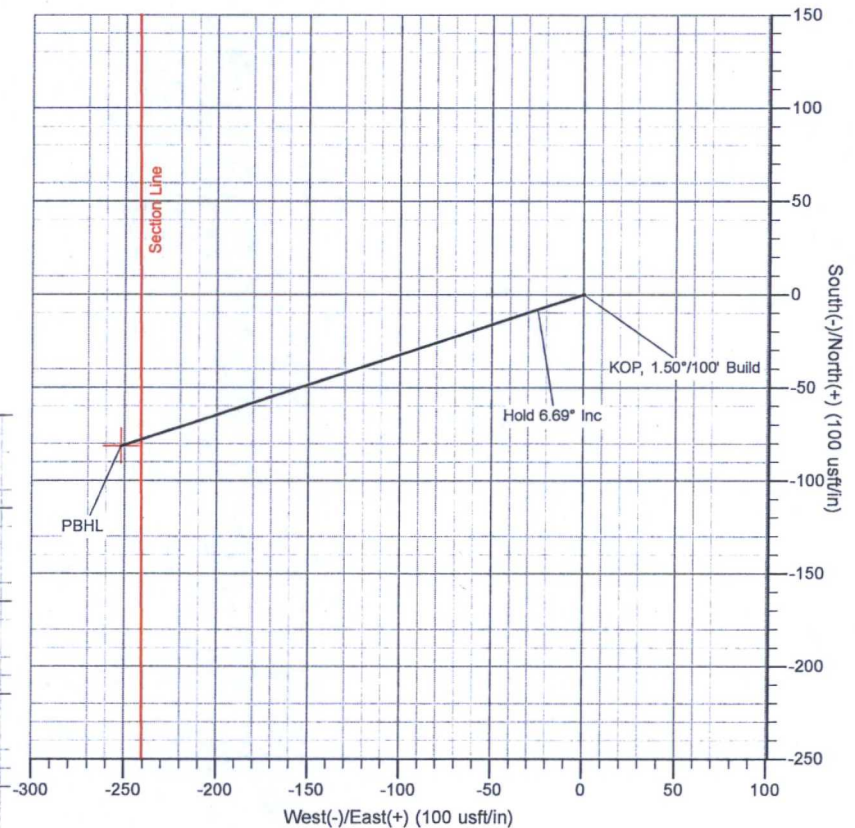
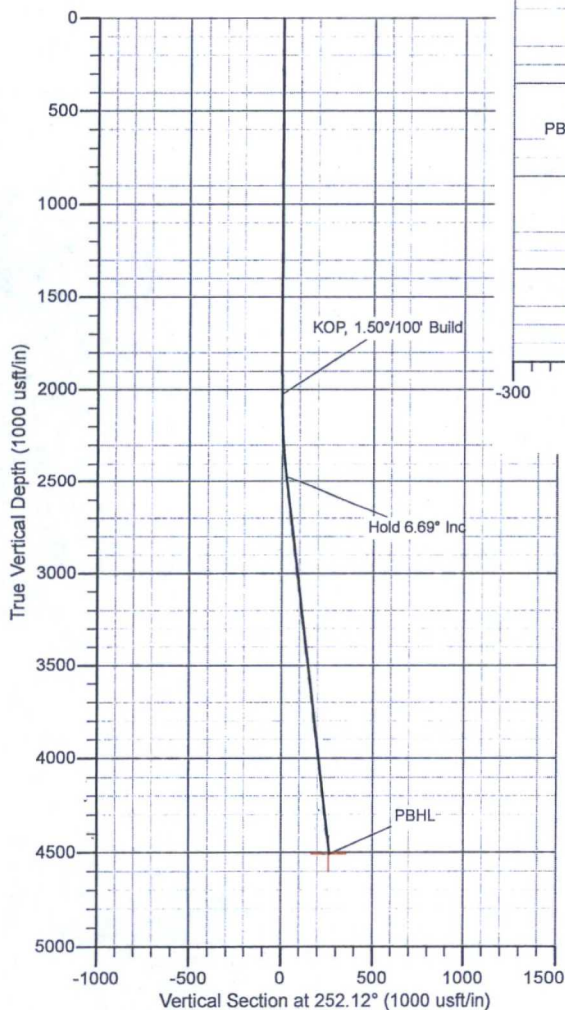


Azimuths to Grid North
 True North: -0.31°
 Magnetic North: 7.08°

Magnetic Field
 Strength: 48566.7 nT
 Dip Angle: 60.65°
 Date: 05/12/2015
 Model: BGGM2015

US State Plane 1927 (Exact solution)
 New Mexico East 3001

Created By: HLH
 Date: 16:32, May 14 2015
 Plan: Design #2



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.



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ConocoPhillips

Lea County, New Mexico (NAD 27)

MCA Unit

551

Wellbore #1

Plan: Design #2

Standard Planning Report

14 May, 2015

Database:	EDM 5000.1 Conroe DB	Local Co-ordinate Reference:	Well 551
Company:	ConocoPhillips	TVD Reference:	WELL @ 4006.50usft (Precision 194)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	WELL @ 4006.50usft (Precision 194)
Site:	MCA Unit	North Reference:	Grid
Well:	551	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Project	Lea County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	551					
Well Position	+N/-S	657,890.22 usft	Northing:	657,890.22 usft	Latitude:	32° 48' 26.434 N
	+E/-W	674,363.96 usft	Easting:	674,363.96 usft	Longitude:	103° 45' 57.004 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft	Ground Level:	3,992.50 usft

Wellbore	Wellbore #1				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	05/12/15	7.39	60.65	48,557

Design	Design #2				
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Audit Notes:

Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
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Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	252.12

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,026.50	0.00	0.00	2,026.50	0.00	0.00	0.00	0.00	0.00	0.00	
2,472.21	6.69	252.12	2,471.20	-7.98	-24.72	1.50	1.50	-24.21	252.12	
4,523.46	6.69	252.12	4,508.50	-81.31	-251.99	0.00	0.00	0.00	0.00	PBHL v2 - MCA Un

Database:	EDM 5000.1 Conroe DB	Local Co-ordinate Reference:	Well 551
Company:	ConocoPhillips	TVD Reference:	WELL @ 4006.50usft (Precision 194)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	WELL @ 4006.50usft (Precision 194)
Site:	MCA Unit	North Reference:	Grid
Well:	551	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,026.50	0.00	0.00	2,026.50	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 1.50°/100' Build									
2,100.00	1.10	252.12	2,100.00	-0.22	-0.67	0.71	1.50	1.50	0.00
2,200.00	2.60	252.12	2,199.94	-1.21	-3.75	3.94	1.50	1.50	0.00
2,300.00	4.10	252.12	2,299.77	-3.01	-9.31	9.79	1.50	1.50	0.00
2,400.00	5.60	252.12	2,399.41	-5.60	-17.36	18.25	1.50	1.50	0.00
2,472.21	6.69	252.12	2,471.20	-7.98	-24.72	25.97	1.50	1.50	0.00
Hold 6.69° Inc									
2,500.00	6.69	252.12	2,498.80	-8.97	-27.80	29.21	0.00	0.00	0.00
2,600.00	6.69	252.12	2,598.12	-12.54	-38.88	40.85	0.00	0.00	0.00
2,700.00	6.69	252.12	2,697.44	-16.12	-49.96	52.49	0.00	0.00	0.00
2,800.00	6.69	252.12	2,796.76	-19.70	-61.04	64.14	0.00	0.00	0.00
2,900.00	6.69	252.12	2,896.08	-23.27	-72.12	75.78	0.00	0.00	0.00
3,000.00	6.69	252.12	2,995.40	-26.85	-83.20	87.42	0.00	0.00	0.00
3,100.00	6.69	252.12	3,094.72	-30.42	-94.28	99.06	0.00	0.00	0.00
3,200.00	6.69	252.12	3,194.04	-34.00	-105.36	110.70	0.00	0.00	0.00
3,300.00	6.69	252.12	3,293.36	-37.57	-116.44	122.35	0.00	0.00	0.00
3,400.00	6.69	252.12	3,392.68	-41.15	-127.52	133.99	0.00	0.00	0.00
3,500.00	6.69	252.12	3,492.00	-44.72	-138.59	145.63	0.00	0.00	0.00
3,600.00	6.69	252.12	3,591.32	-48.30	-149.67	157.27	0.00	0.00	0.00
3,700.00	6.69	252.12	3,690.64	-51.87	-160.75	168.92	0.00	0.00	0.00
3,800.00	6.69	252.12	3,789.96	-55.45	-171.83	180.56	0.00	0.00	0.00
3,900.00	6.69	252.12	3,889.28	-59.02	-182.91	192.20	0.00	0.00	0.00
4,000.00	6.69	252.12	3,988.60	-62.60	-193.99	203.84	0.00	0.00	0.00
4,100.00	6.69	252.12	4,087.92	-66.17	-205.07	215.48	0.00	0.00	0.00
4,200.00	6.69	252.12	4,187.24	-69.75	-216.15	227.13	0.00	0.00	0.00
4,300.00	6.69	252.12	4,286.56	-73.32	-227.23	238.77	0.00	0.00	0.00
4,400.00	6.69	252.12	4,385.88	-76.90	-238.31	250.41	0.00	0.00	0.00
4,500.00	6.69	252.12	4,485.20	-80.47	-249.39	262.05	0.00	0.00	0.00
4,523.46	6.69	252.12	4,508.50	-81.31	-251.99	264.78	0.00	0.00	0.00
PBHL									

Database:	EDM 5000.1 Conroe DB	Local Co-ordinate Reference:	Well 551
Company:	ConocoPhillips	TVD Reference:	WELL @ 4006.50usft (Precision 194)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	WELL @ 4006.50usft (Precision 194)
Site:	MCA Unit	North Reference:	Grid
Well:	551	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL v2 - MCA Unit	0.00	0.00	4,508.50	-81.31	-251.99	657,808.91	674,111.97	32° 48' 25.643 N	103° 45' 59.962 W
- plan hits target center									
- Point									

Casing Points

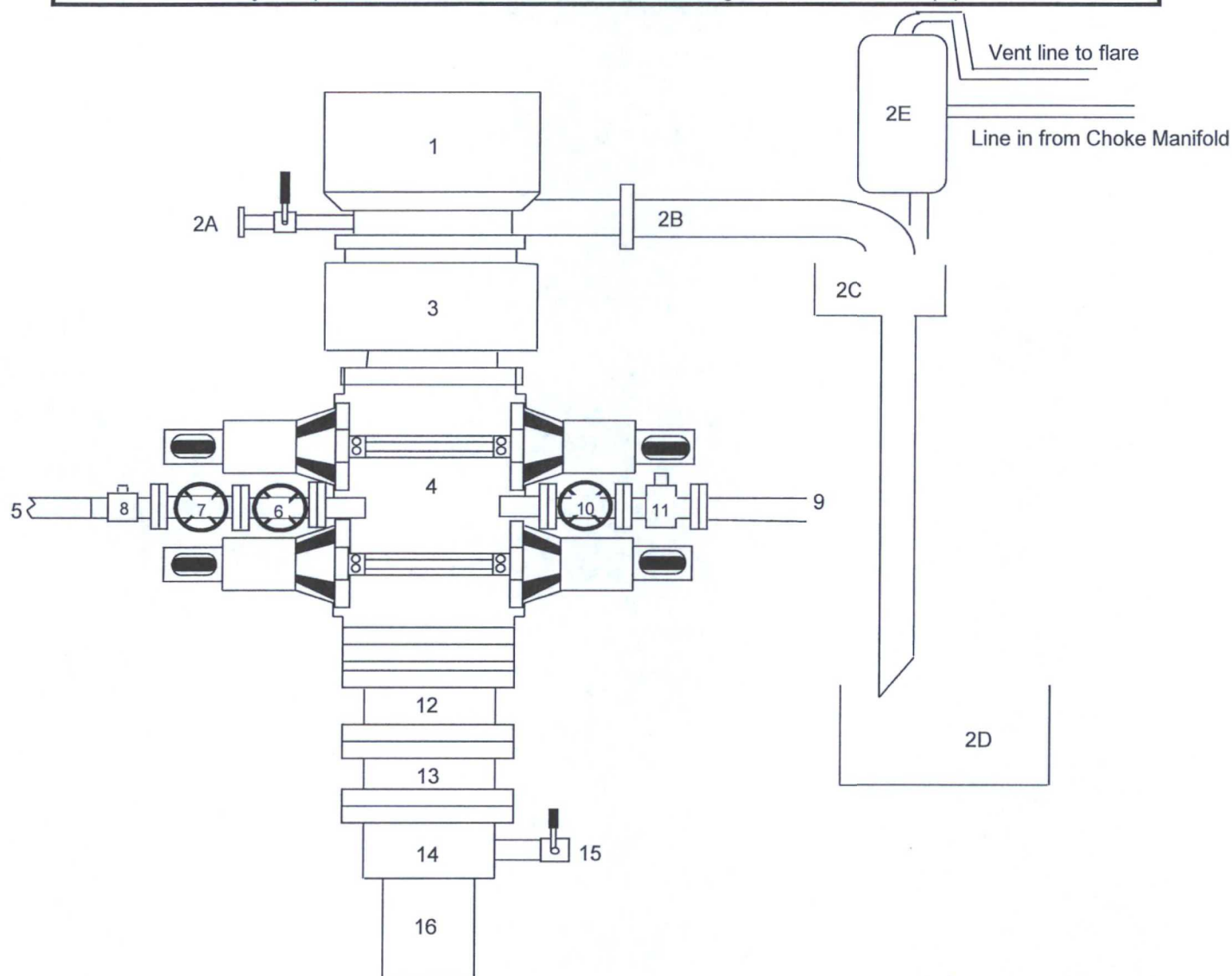
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
4,523.46	4,508.50	5 1/2"	5-1/2	6

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,026.50	2,026.50	0.00	0.00	KOP, 1.50°/100' Build
2,472.21	2,471.20	-7.98	-24.72	Hold 6.69° Inc
4,523.46	4,508.50	-81.31	-251.99	PBHL

BLOWOUT PREVENTER ARRANGEMENT

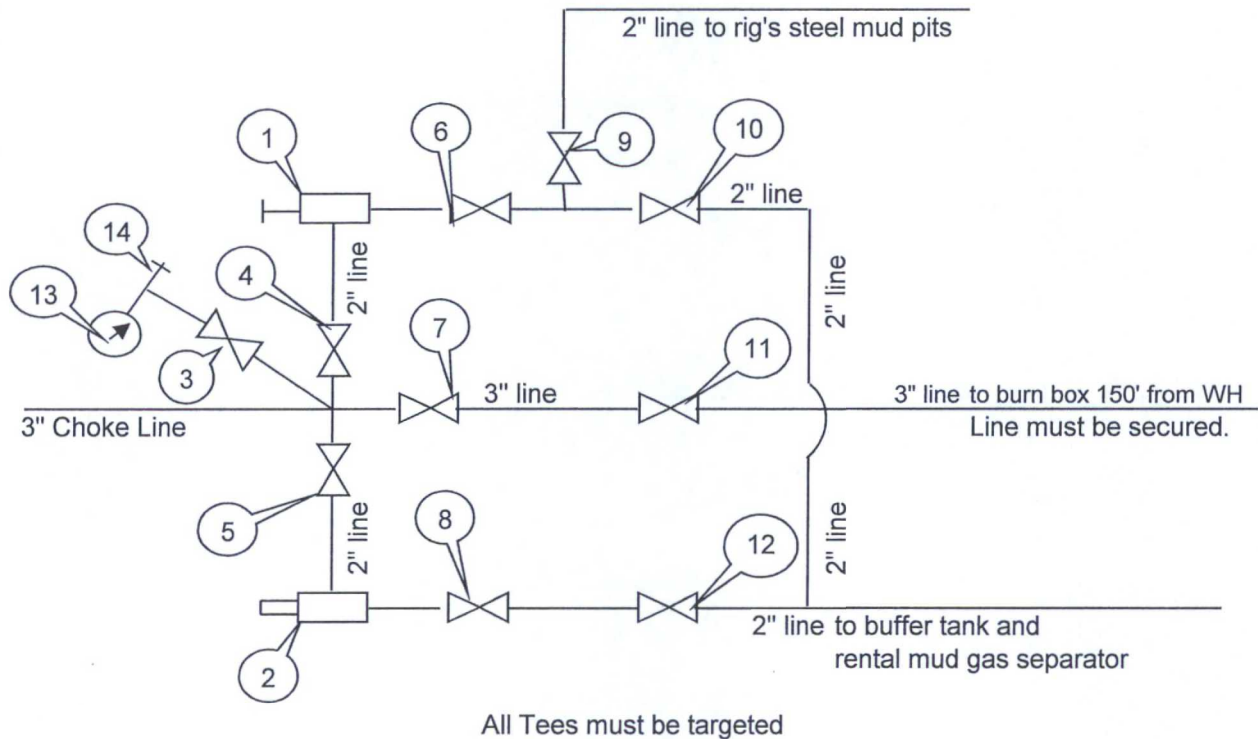
3M System per Onshore Oil and Gas Order No. 2 utilizing 3M and 5M Rated Equipment



Item	Description
1	Rotating Head (11")
2A	Fill up Line and Valve
2B	Flow Line (8")
2C	Shale Shakers and Solids Settling Tank
2D	Cuttings Bins for Zero Discharge
2E	Rental Mud Gas Separator with vent line to flare and return line to mud system
3	Annular BOP (11", 3M)
4	Double Ram (11", 3M, equipped with Blind Rams and Pipe Rams)
5	Kill Line (2" flexible hose, 3000 psi WP)
6	Kill Line Valve, Inner (2-1/16", 3000 psi WP)
7	Kill Line Valve, Outer (2-1/16", 3000 psi WP)
8	Kill Line Check Valve (2-1/16", 3000 psi WP)
9	Straight Choke Line (3" 3000 psi WP)
10	Choke Line Valve, Inner (3-1/8", 3000 psi WP)
11	Choke Line Valve, Outer, (Hydraulically operated, 3-1/8", 3000 psi WP)
12	Spacer Spool (11" 3M x 3M)
13	Adapter Flange (11" 3M x 5M)
14	Casing Head (11" 5M)
15	Ball Valve and Threaded Nipple on Casing Head Outlet, (2", 5M)
16	Surface Casing

CHOKE MANIFOLD ARRANGEMENT

3M System per Onshore Oil and Gas Order No. 2 utilizing 3M and 5M Equipment



Item	Description
1	Manual Adjustable Choke, 2-1/16", 5M
2	Remote-Controlled Hydraulically-Operated Adjustable Choke, 2-1/16", 10M
3	Gate Valve, 2-1/16" 5M
4	Gate Valve, 2-1/16" 5M
5	Gate Valve, 2-1/16" 5M
6	Gate Valve, 2-1/16" 5M
7	Gate Valve, 3-1/8" 3M
8	Gate Valve, 2-1/16" 5M
9	Gate Valve, 2-1/16" 5M
10	Gate Valve, 2-1/16" 5M
11	Gate Valve, 3-1/8" 3M
12	Gate Valve, 2-1/16" 5M
13	Pressure Gauge
14	2" hammer union tie-in point for BOP Tester

We will test each valve to 3000 psi from the upstream side.

Submitted by:

Cord Denton

Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company

Date: 27-April-2015

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

ConocoPhillips Company

Well: MCA #551

Location: Section 28, T17S, R32E

Date: 6/3/2015

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, use a drying pad, build an earthen pit above ground level, nor 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 frac tanks as needed. The intent is as follows:

- We propose to use the rig's 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 tanks.

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

2. Cuttings and solids will be removed from the 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:

R-360 Inc.
4507 West Carlsbad Hwy, Hobbs, NM 88240,
P.O. Box 388; Hobbs, New Mexico 88241
Phone Number: 575.393.1079

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 R-360 is NM1-006.

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 R-360 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; P.O. Box 5208 Hobbs, NM, 88241, Phone Number: 575.392.2577; Permit SWD 092.
 - Basic Energy Services, 2404 W Texas Ave, Eunice, NM 88231; P.O. Box 1869, Eunice, NM 88231 Phone Number: 575.394.2545, Facility located at Hwy 18, Mile Marker 19; Eunice, NM.
 - C & C Transport, LLC, P.O. Box 1352, Hobbs, NM 88241 Phone Number: 575.393.0422
 - Sundance Services, Inc., P.O. Box 1737 Eunice, NM 88231 Phone Number: 575.394.2511

Cord Denton

Drilling Engineer, ConocoPhillips Company

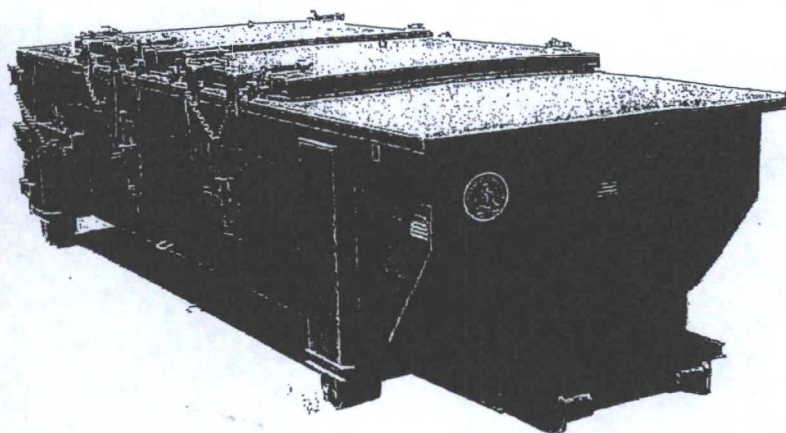
Phone: (281) 206-5406

Cell: (832) 754-7363

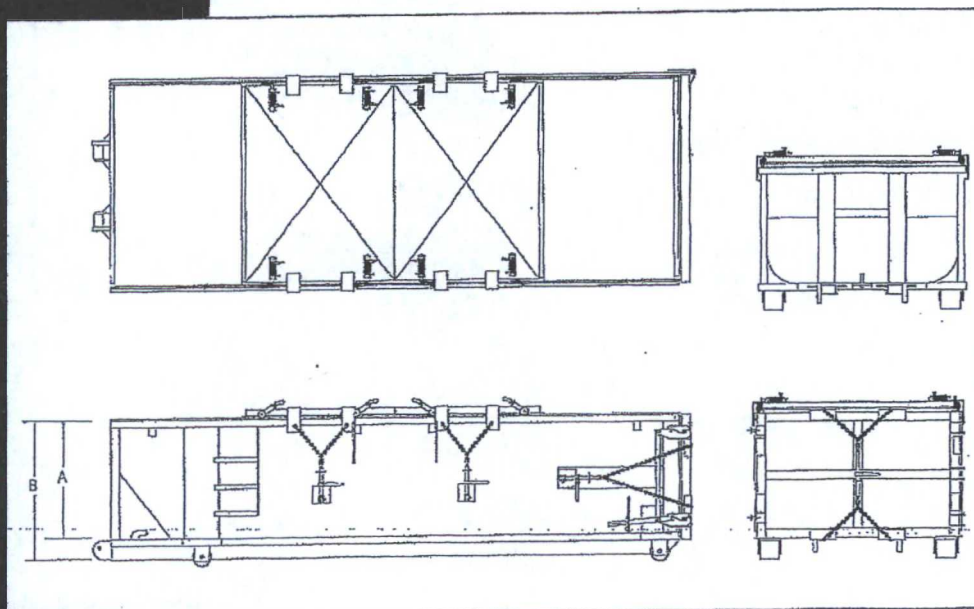
SPECIFICATIONS

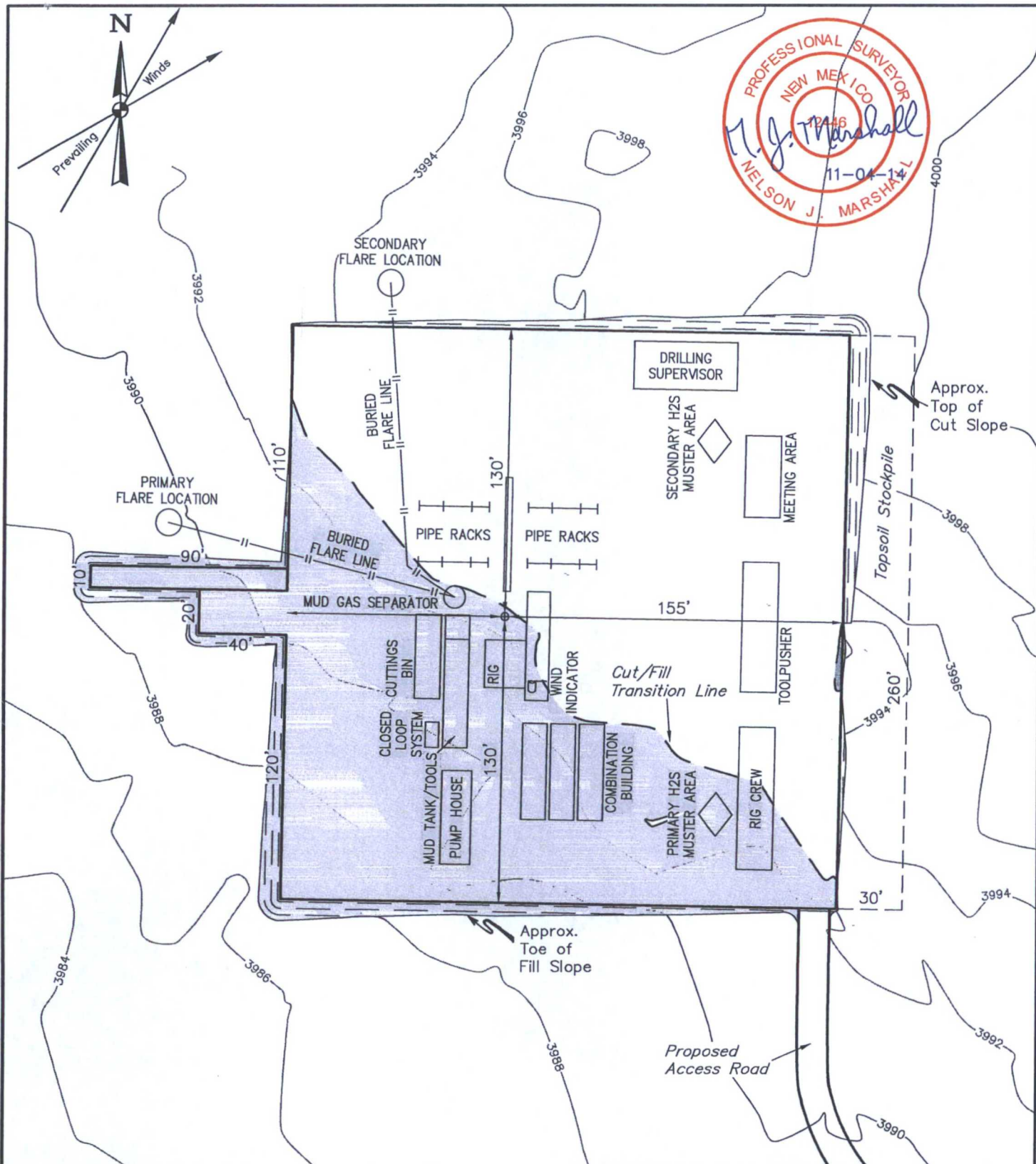
FLOOR: 3/16" PL one piece
 CROSS MEMBER: 3 x 4.1 channel 16" on center
 WALLS: 3/16" PL solid welded with tubing top, inside liner hooks
 DOOR: 3/16" PL with tubing frame
 FRONT: 3/16" PL slant formed
 PICK UP: Standard cable with 2" x 6" x 1/4" rails, gusset at each crossmember
 WHEELS: 10 DIA x 9 long with rease fittings
 DOOR LATCH: 3 Independent ratchet binders with chains, vertical second latch
 GASKE TS: 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

Heavy Duty Split Metal Rolling Lid



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





NOTES:

- Flare pit is to be located a min. of 160' from the wellhead.
- Contours shown at 2' intervals.
- There may be different numbers of pump house and combination buildings on location based on rig used. Flare configuration may differ slightly. Blade and level area may not be needed.

ConocoPhillips Company

**MCA UNIT 551
SECTION 28, T17S, R32E, N.M.P.M.
1966' FNL 1079' FEL**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: D.S.

SCALE: 1" = 60'

DATE DRAWN: 09-09-14

REVISED: 00-00-00

TYPICAL RIG LAYOUT

FIGURE #3



HOBBS OCD

AUG 10 2016

RECEIVED

H₂S Contingency Plan

H₂S Contingency Plan Holders:

Attached is an H₂S Contingency Plan for COPC Permian Drilling working in the West Texas and Southeastern New Mexico areas operated by ConocoPhillips Company.

If you have any questions regarding this plan, please call Jet Brown at ConocoPhillips Company, 432.688.6849.

Table of Contents

Section

I. Purpose

II. Scope

III. Procedures

IV. Emergency Equipment and Maintenance

Emergency Equipment Suppliers

General Information

H₂S Safety Equipment and Monitoring Systems

V. Emergency Call List

VI. Public/Media Relations

VII. Public Notification/Evacuation

VIII. Forms/Reports