

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

HOBBS OCD
AUG 10 2016
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 43383	² Pool Code 43329	³ Pool Name Maljamar; Grayburg, San Andres
⁴ Property Code	⁵ Property Name MCA UNIT	⁶ Well Number 550
⁷ OGRID No. 217817	⁸ Operator Name ConocoPhillips Company	⁹ Elevation 3998.7'

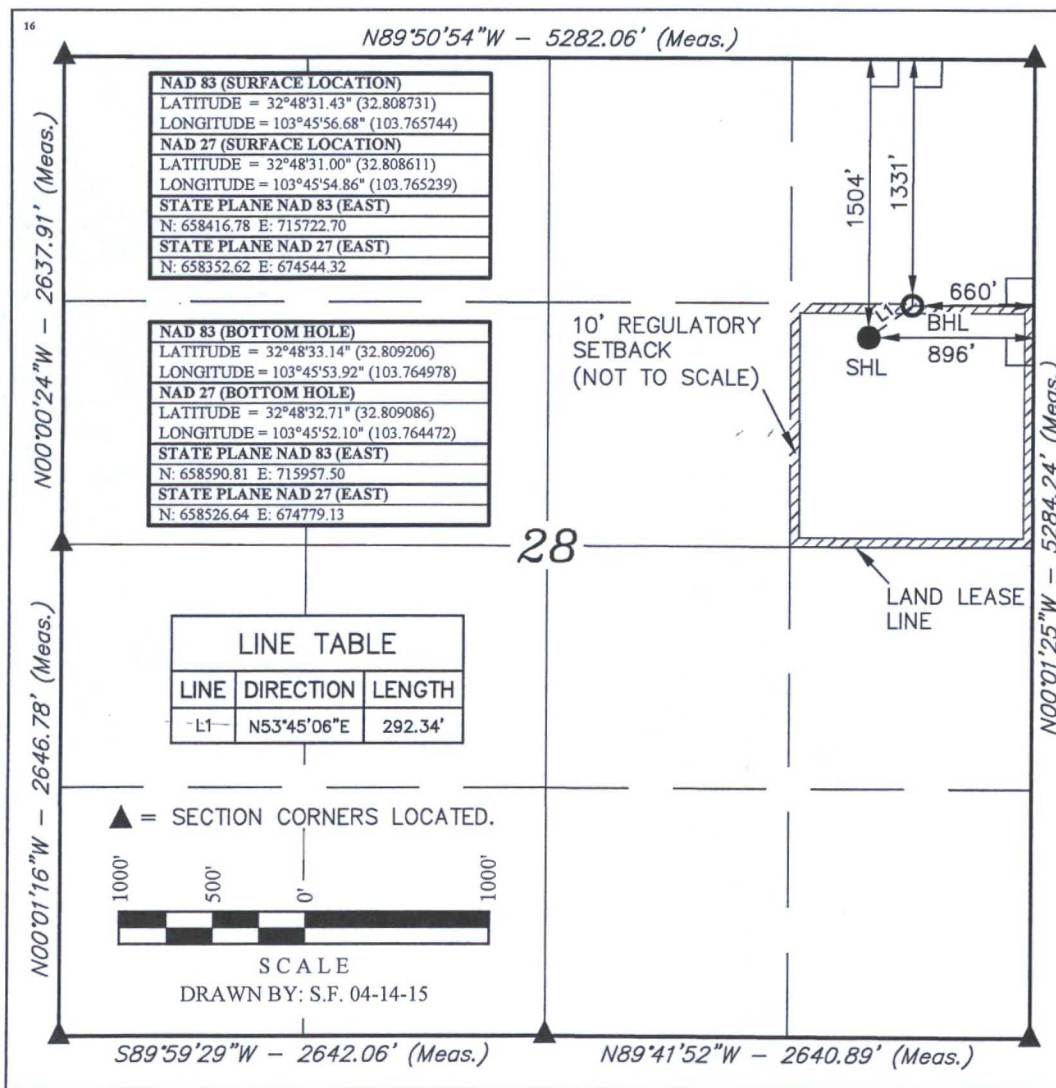
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	28	17S	32E		1504	NORTH	896	EAST	LEA

¹¹ 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
H	28	17S	32E		1331	NORTH	660	EAST	LEA
¹² Dedicated Acres 40	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.



¹⁷ OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Susan B. Maunder 6/26/15
Signature Date

Susan B. Maunder
Printed Name

Susan.B.Maunder@cop.com
E-mail Address

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.

April 09, 2015

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

ConocoPhillips, MCA UNIT 550

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
---	-----------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing.	
YES	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
X	Resistivity	Surface Shoe to TD
X	Density, Spectral GR, Caliper	Surface Shoe to TD
	CBL	
X	Mud log	Surface Shoe to TD
	PEX	

ConocoPhillips, MCA UNIT 550

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	1951 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.

See COA

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

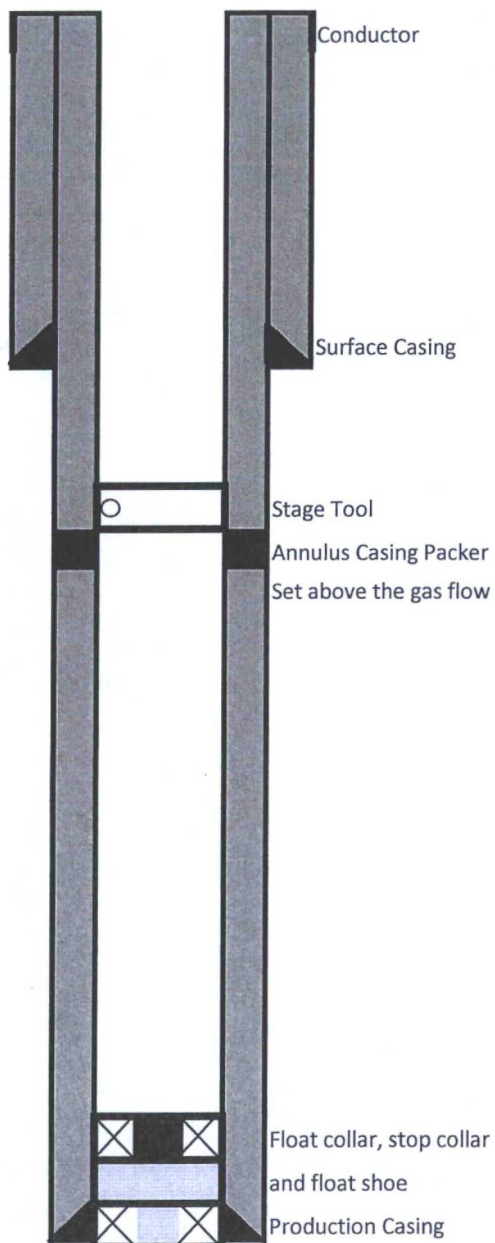
 X Directional Plan

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

Drill Plan Attachment

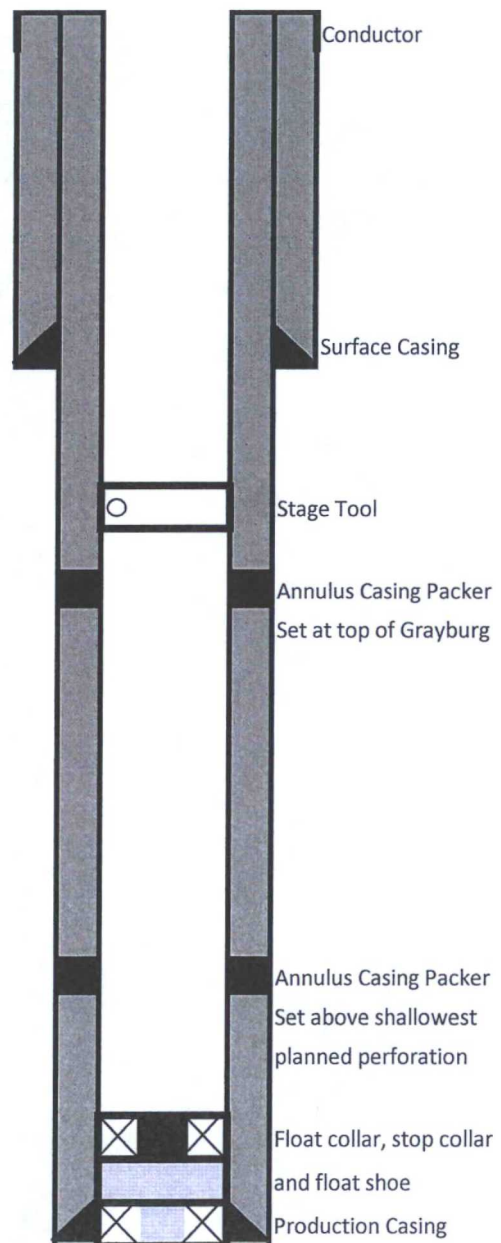
Two-Stage Cementing (Alternative for Shallow Gas)

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: 550

Project: Lea County, New Mexico (NAD 27)

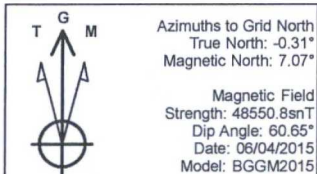
Rig Name: Precision 194

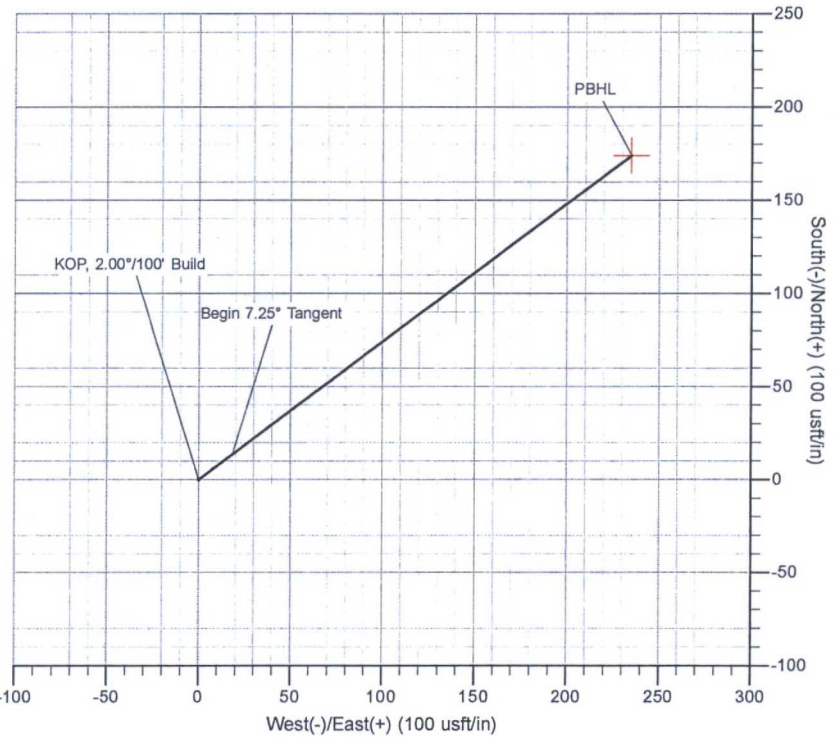
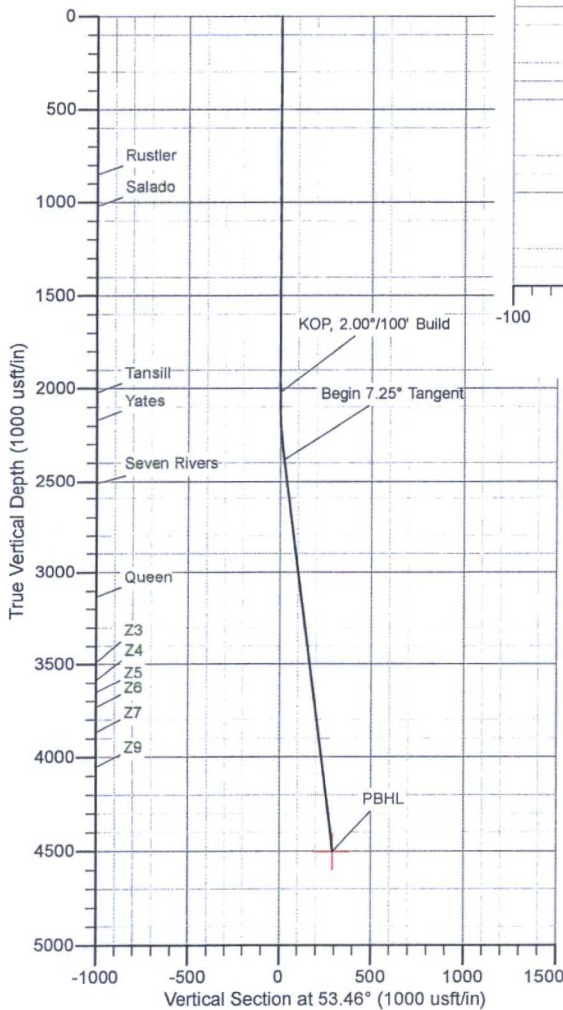
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MS Energy Services.
 WWW.MSENERGYSERVICES.COM

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
2022.70	0.00	0.00	2022.70	0.00	0.00	0.00	0.00	KOP, 2.00°/100' Build
2385.01	7.25	53.46	2384.04	13.62	18.38	22.88	22.88	Begin 7.25° Tangent
4520.72	7.25	53.46	4502.70	174.02	234.81	292.26	292.26	PBHL


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

 Created By: HLH
 Date: 14:54, June 05 2015
 Plan: Design #1


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

550

Wellbore #1

Plan: Design #1

Standard Planning Report

05 June, 2015

Database:	EDM 5000.1 Conroe DB	Local Co-ordinate Reference:	Well 550
Company:	ConocoPhillips	TVD Reference:	WELL @ 4012.70usft (Precision 194)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	WELL @ 4012.70usft (Precision 194)
Site:	MCA Unit	North Reference:	Grid
Well:	550	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	550			
Well Position	+N/-S	658,352.63 usft	Northing:	658,352.63 usft
	+E/-W	674,544.32 usft	Easting:	674,544.32 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft
			Ground Level:	3,998.70 usft

Wellbore	Wellbore #1			
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	06/04/15	7.38	60.65	48,551

Design	Design #1			
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Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	53.46

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	
2,022.70	0.00	0.00	2,022.70	0.00	0.00	0.00	0.00	0.00	0.00	
2,385.01	7.25	53.46	2,384.04	13.62	18.38	2.00	2.00	0.00	53.46	
4,520.72	7.25	53.46	4,502.70	174.02	234.81	0.00	0.00	0.00	0.00	PBHL - MCA Unit 5

Database:	EDM 5000.1 Conroe DB	Local Co-ordinate Reference:	Well 550
Company:	ConocoPhillips	TVD Reference:	WELL @ 4012.70usft (Precision 194)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	WELL @ 4012.70usft (Precision 194)
Site:	MCA Unit	North Reference:	Grid
Well:	550	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
852.70	0.00	0.00	852.70	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,022.70	0.00	0.00	1,022.70	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
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
2,022.70	0.00	0.00	2,022.70	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 2.00°/100' Build - Tansill									
2,100.00	1.55	53.46	2,099.99	0.62	0.84	1.04	2.00	2.00	0.00
2,172.77	3.00	53.46	2,172.70	2.34	3.16	3.93	2.00	2.00	0.00
Yates									
2,200.00	3.55	53.46	2,199.89	3.27	4.41	5.48	2.00	2.00	0.00
2,300.00	5.55	53.46	2,299.57	7.98	10.77	13.41	2.00	2.00	0.00
2,385.01	7.25	53.46	2,384.04	13.62	18.38	22.88	2.00	2.00	0.00
Begin 7.25° Tangent									
2,400.00	7.25	53.46	2,398.92	14.75	19.90	24.77	0.00	0.00	0.00
2,500.00	7.25	53.46	2,498.12	22.26	30.04	37.38	0.00	0.00	0.00
2,509.66	7.25	53.46	2,507.70	22.98	31.01	38.60	0.00	0.00	0.00
Seven Rivers									
2,600.00	7.25	53.46	2,597.32	29.77	40.17	50.00	0.00	0.00	0.00
2,700.00	7.25	53.46	2,696.52	37.28	50.30	62.61	0.00	0.00	0.00
2,800.00	7.25	53.46	2,795.72	44.79	60.44	75.22	0.00	0.00	0.00
2,900.00	7.25	53.46	2,894.92	52.30	70.57	87.84	0.00	0.00	0.00
3,000.00	7.25	53.46	2,994.12	59.81	80.70	100.45	0.00	0.00	0.00
3,100.00	7.25	53.46	3,093.32	67.32	90.84	113.06	0.00	0.00	0.00
3,139.69	7.25	53.46	3,132.70	70.30	94.86	118.07	0.00	0.00	0.00
Queen									
3,200.00	7.25	53.46	3,192.53	74.83	100.97	125.68	0.00	0.00	0.00
3,300.00	7.25	53.46	3,291.73	82.34	111.11	138.29	0.00	0.00	0.00
3,400.00	7.25	53.46	3,390.93	89.85	121.24	150.90	0.00	0.00	0.00
3,500.00	7.25	53.46	3,490.13	97.36	131.37	163.52	0.00	0.00	0.00
3,502.59	7.25	53.46	3,492.70	97.55	131.64	163.84	0.00	0.00	0.00
Z3									
3,598.36	7.25	53.46	3,587.70	104.75	141.34	175.92	0.00	0.00	0.00

Database:	EDM 5000.1 Conroe DB	Local Co-ordinate Reference:	Well 550
Company:	ConocoPhillips	TVD Reference:	WELL @ 4012.70usft (Precision 194)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	WELL @ 4012.70usft (Precision 194)
Site:	MCA Unit	North Reference:	Grid
Well:	550	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)	
Z4										
3,600.00	7.25	53.46	3,589.33	104.87	141.51	176.13	0.00	0.00	0.00	
3,663.88	7.25	53.46	3,652.70	109.67	147.98	184.19	0.00	0.00	0.00	
Z5										
3,700.00	7.25	53.46	3,688.53	112.38	151.64	188.74	0.00	0.00	0.00	
3,744.52	7.25	53.46	3,732.70	115.72	156.15	194.36	0.00	0.00	0.00	
Z6										
3,800.00	7.25	53.46	3,787.73	119.89	161.77	201.36	0.00	0.00	0.00	
3,880.61	7.25	53.46	3,867.70	125.94	169.94	211.52	0.00	0.00	0.00	
Z7										
3,900.00	7.25	53.46	3,886.94	127.40	171.91	213.97	0.00	0.00	0.00	
4,000.00	7.25	53.46	3,986.14	134.91	182.04	226.58	0.00	0.00	0.00	
4,067.10	7.25	53.46	4,052.70	139.95	188.84	235.05	0.00	0.00	0.00	
Z9										
4,100.00	7.25	53.46	4,085.34	142.42	192.18	239.20	0.00	0.00	0.00	
4,200.00	7.25	53.46	4,184.54	149.93	202.31	251.81	0.00	0.00	0.00	
4,300.00	7.25	53.46	4,283.74	157.44	212.44	264.42	0.00	0.00	0.00	
4,400.00	7.25	53.46	4,382.94	164.95	222.58	277.04	0.00	0.00	0.00	
4,500.00	7.25	53.46	4,482.14	172.46	232.71	289.65	0.00	0.00	0.00	
4,520.72	7.25	53.46	4,502.70	174.02	234.81	292.26	0.00	0.00	0.00	
PBHL - 5 1/2"										

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 - MCA Unit 550	0.00	0.00	4,502.70	174.02	234.81	658,526.64	674,779.13	32° 48' 32.709 N	103° 45' 52.100 W	
- plan hits target center										
- Point										

Casing Points										
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")						
4,520.72	4,502.70	5 1/2"	5-1/2	6						

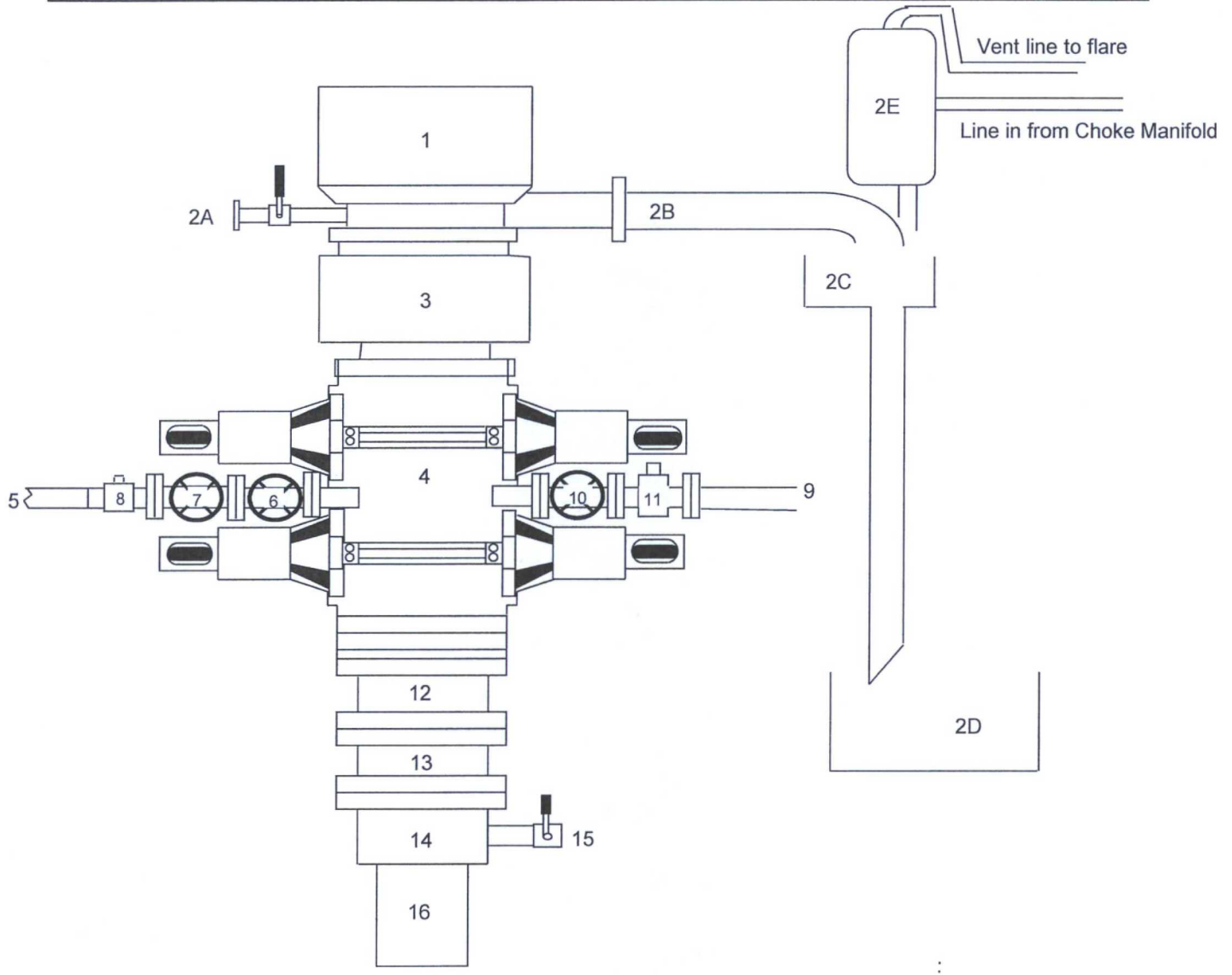
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Site:	MCA Unit	North Reference:	Grid
Well:	550	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
852.70	-3,160.00	Rustler		0.00	53.46	
1,022.70	-2,990.00	Salado		0.00	53.46	
2,022.70	-1,990.00	Tansill		0.00	53.46	
2,172.77	-1,840.00	Yates		0.00	53.46	
2,509.66	-1,505.00	Seven Rivers		0.00	53.46	
3,139.69	-880.00	Queen		0.00	53.46	
3,502.59	-520.00	Z3		0.00	53.46	
3,598.36	-425.00	Z4		0.00	53.46	
3,663.88	-360.00	Z5		0.00	53.46	
3,744.52	-280.00	Z6		0.00	53.46	
3,880.61	-145.00	Z7		0.00	53.46	
4,067.10	40.00	Z9		0.00	53.46	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,022.70	2,022.70	0.00	0.00	KOP, 2.00°/100' Build	
2,385.01	2,384.04	13.62	18.38	Begin 7.25° Tangent	
4,520.72	4,502.70	174.02	234.81	PBHL	

BLOWOUT PREVENTER ARRANGEMENT

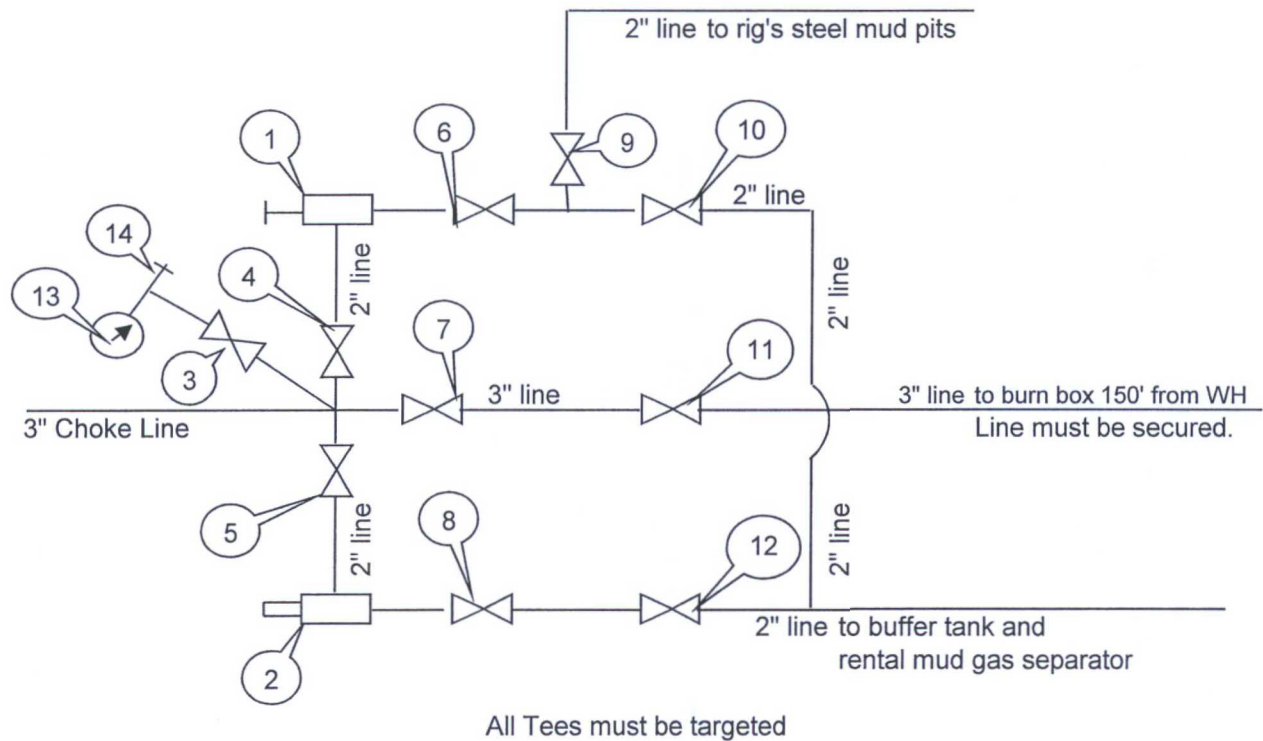
3M System per Onshore Oil and Gas Order No. 2 utilizing 3M and 5M Rated Equipment



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 #550
Location: Section 28, T17S, R32E
Date: 6/9/2015

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.

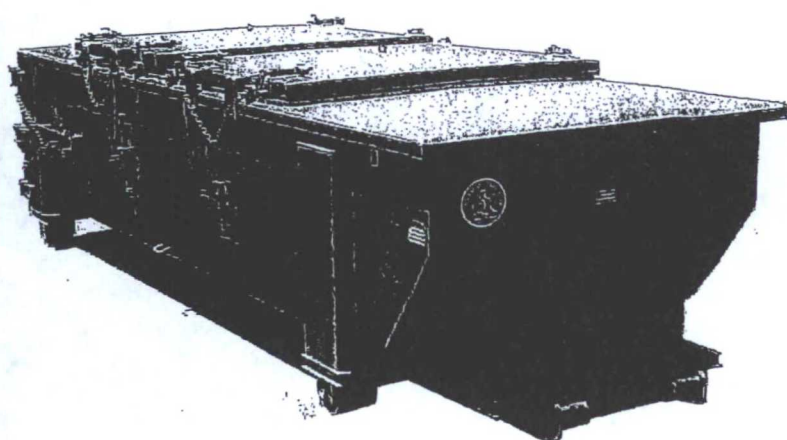
3. Mud will be transported by vacuum truck and disposed of at R-360 Inc. at the facility described above.
4. Fresh Water and Brine will be hauled off by vacuum truck and disposed of at an authorized salt water disposal well. We propose the following for disposal of fresh water and brine as needed:
 - 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

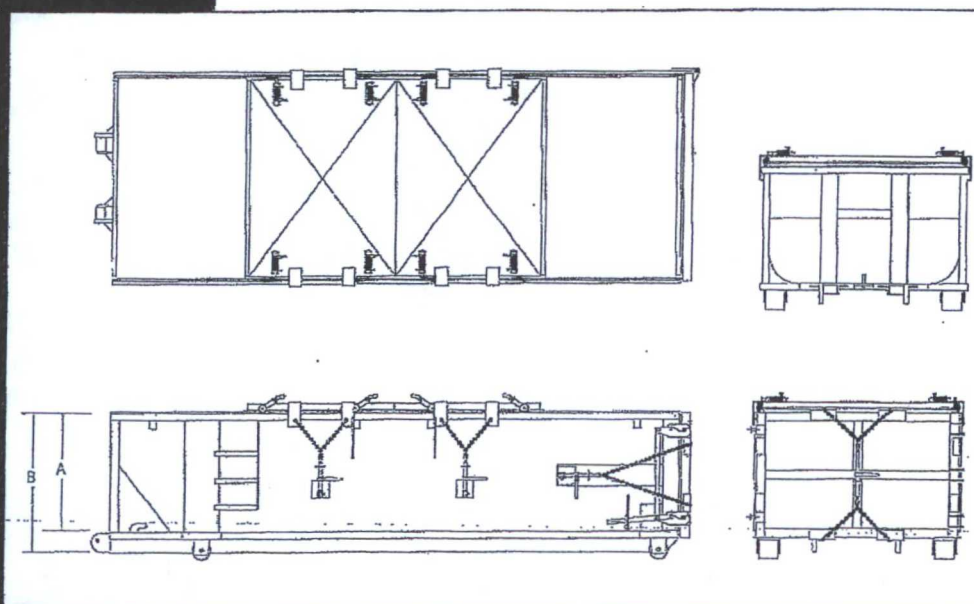
SPECIFICATIONS

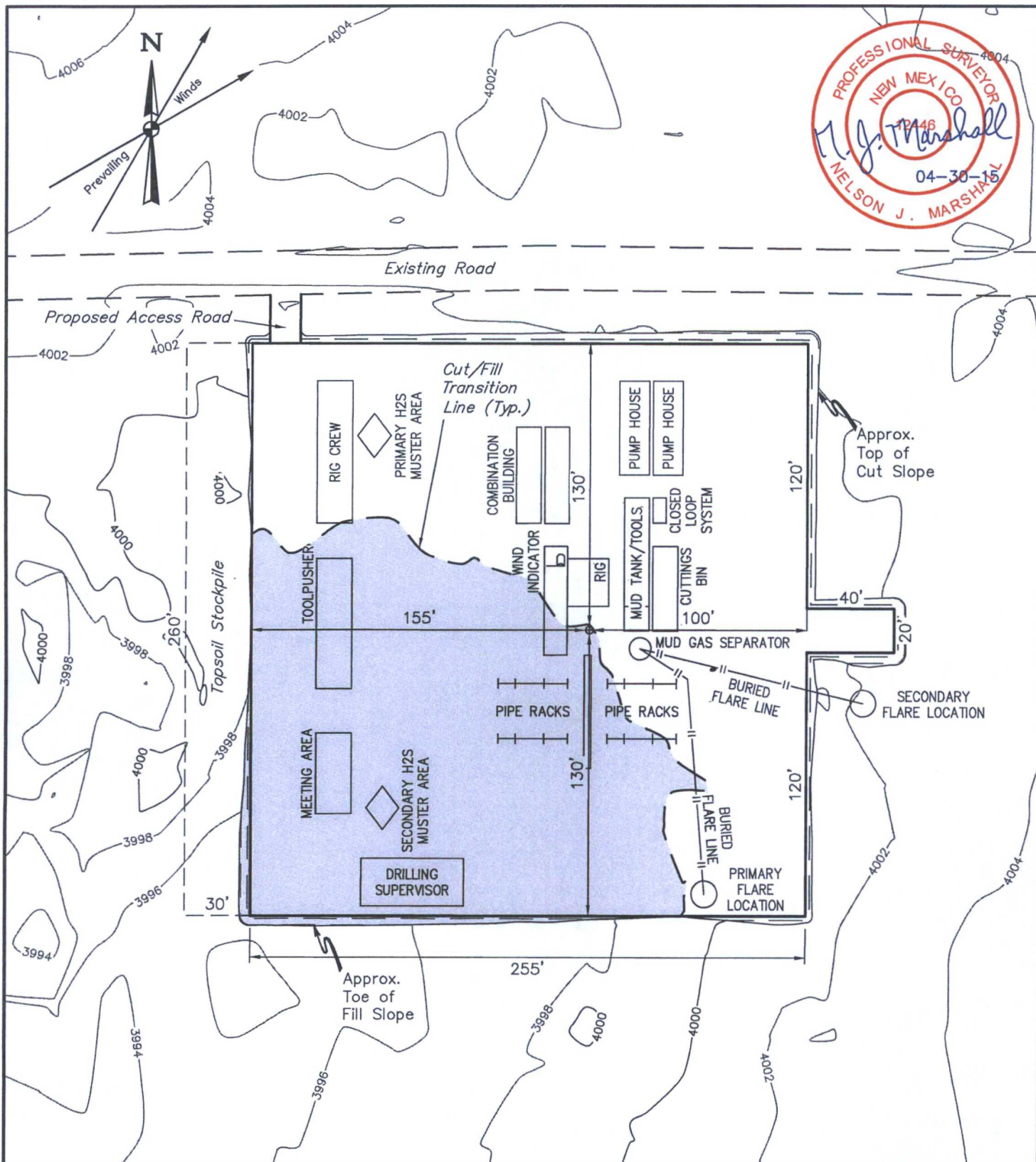
Heavy Duty Split Metal Rolling Lid

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





NOTES:

- Flare pit is to be located a min. of 160' from the wellhead.
- Contours shown at 2' intervals.
- May have different number of pump houses and combination buildings.

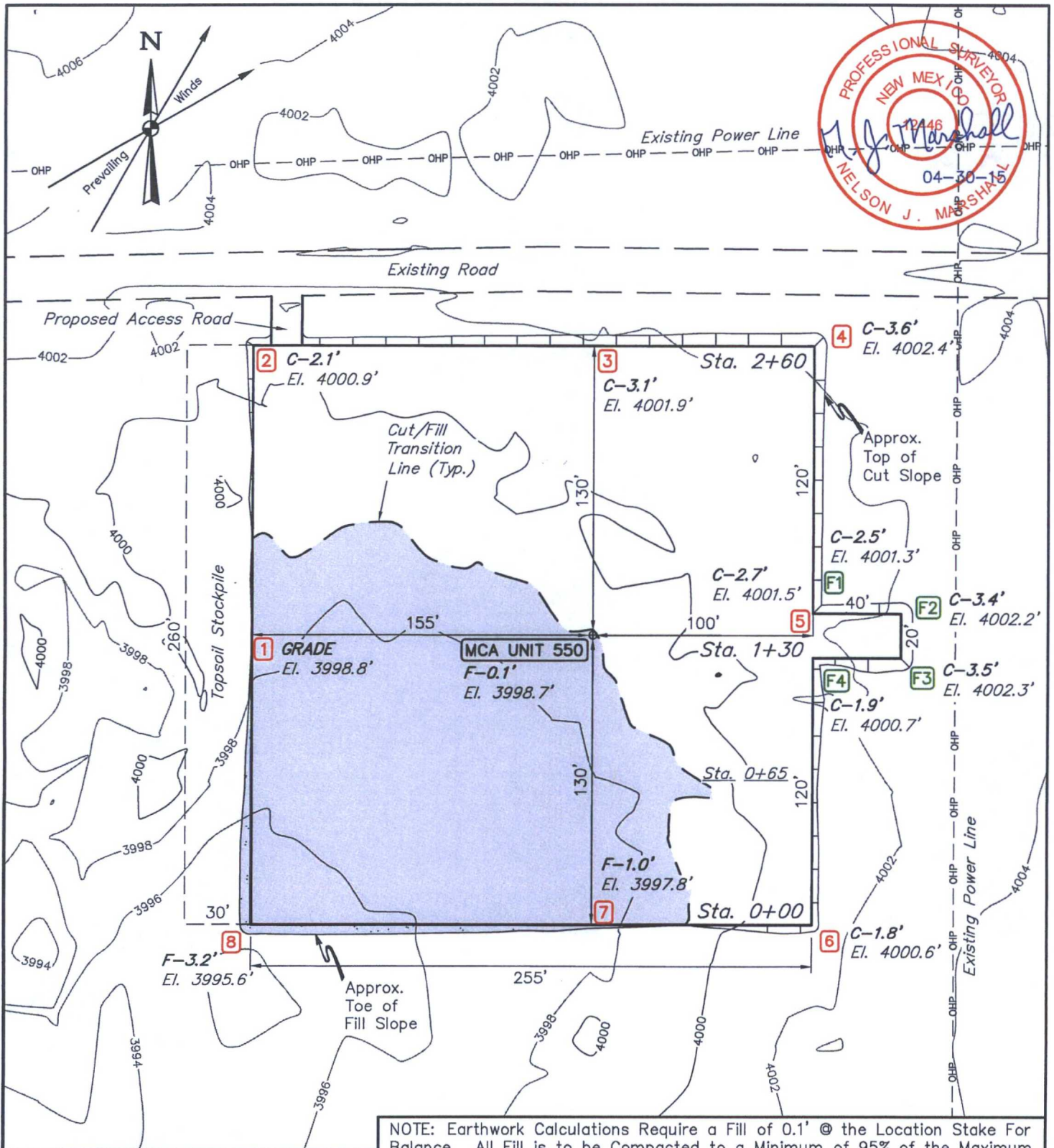
ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO

DRAWN BY: S.F.	DATE DRAWN: 04-14-15
SCALE: 1" = 60'	REVISED: 00-00-00
TYPICAL RIG LAYOUT	FIGURE #3



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NOTE: Earthwork Calculations Require a Fill of 0.1' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

FINISHED GRADE ELEVATION = 3998.8'

NOTES:

- Contours shown at 2' intervals.
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.

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MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
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LEA COUNTY, NEW MEXICO

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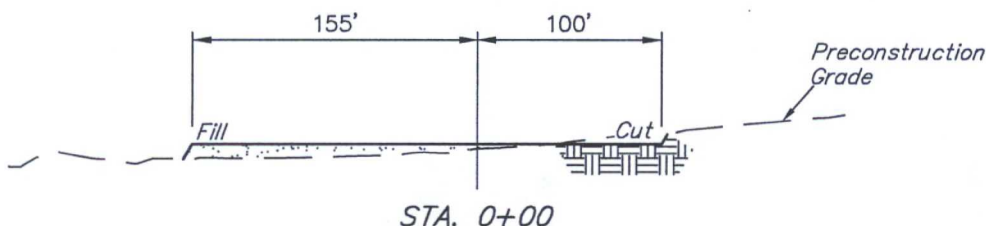
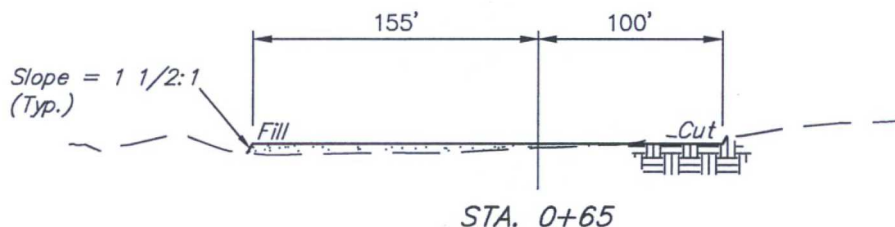
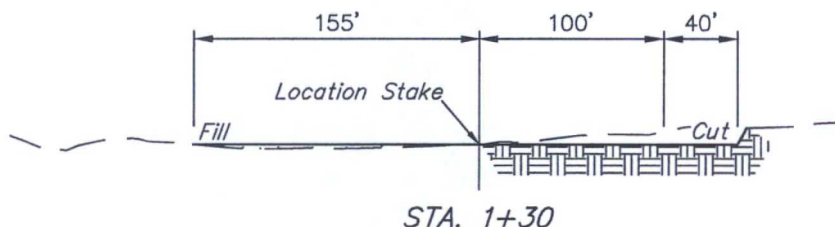
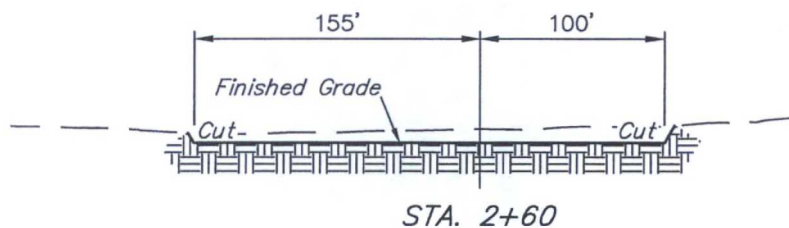
LOCATION LAYOUT

FIGURE #1



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1" = 40'
X-Section
Scale
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(3") TOPSOIL STRIPPING	660 Cu. Yds.
REMAINING LOCATION	1,920 Cu. Yds.
TOTAL CUT	2,580 Cu. Yds.
FILL	1,920 Cu. Yds.
EXCESS MATERIAL	660 Cu. Yds.
TOPSOIL	660 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±1.796
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±21.84'	±0.015
10' WIDE FLOW LINE R-O-W DISTURBANCE	±5,696.76'	±1.307
10' WIDE POWER LINE R-O-W DISTURBANCE	±104.62'	±0.024
TOTAL SURFACE USE AREA		±3.142

NOTES:

- Fill quantity includes 5% for compaction.

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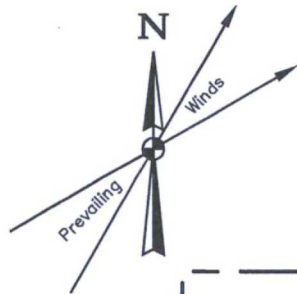
MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO



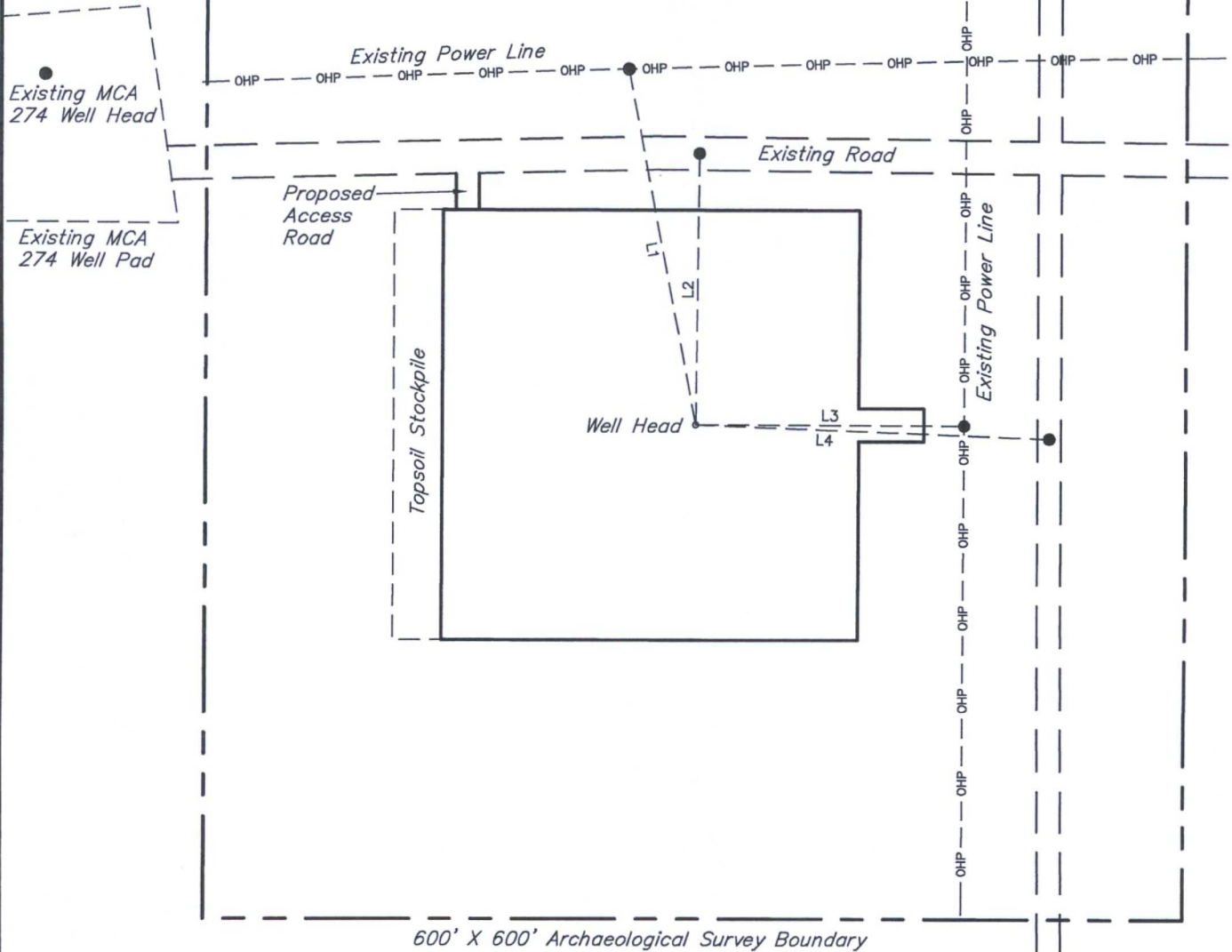
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SCALE: AS SHOWN	REVISED: 00-00-00

TYPICAL CROSS SECTIONS **FIGURE #2**



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N11°W	219'
L2	N01°E	164'
L3	EAST	165'
L4	S88°E	217'



NOTES:

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**MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO**



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SCALE: 1" = 100'	REVISED: 00-00-00
ARCHAEOLOGICAL SURVEY BOUNDARY	
FIGURE #5	

BEGINNING AT THE INTERSECTION OF U.S. HIGHWAY 82 AND MALJAMAR ROAD/COUNTY ROAD 126, PROCEED IN A SOUTHERLY DIRECTION FROM MALJAMAR, NEW MEXICO ALONG MALJAMAR ROAD/COUNTY ROAD 126 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND CONOCO ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 22' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MALJAMAR, NEW MEXICO TO THE PROPOSED LOCATION IS APPROXIMATELY 3.5 MILES.

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, NMPM
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO

DRAWN BY: B.D.

DATE DRAWN: 04-17-15

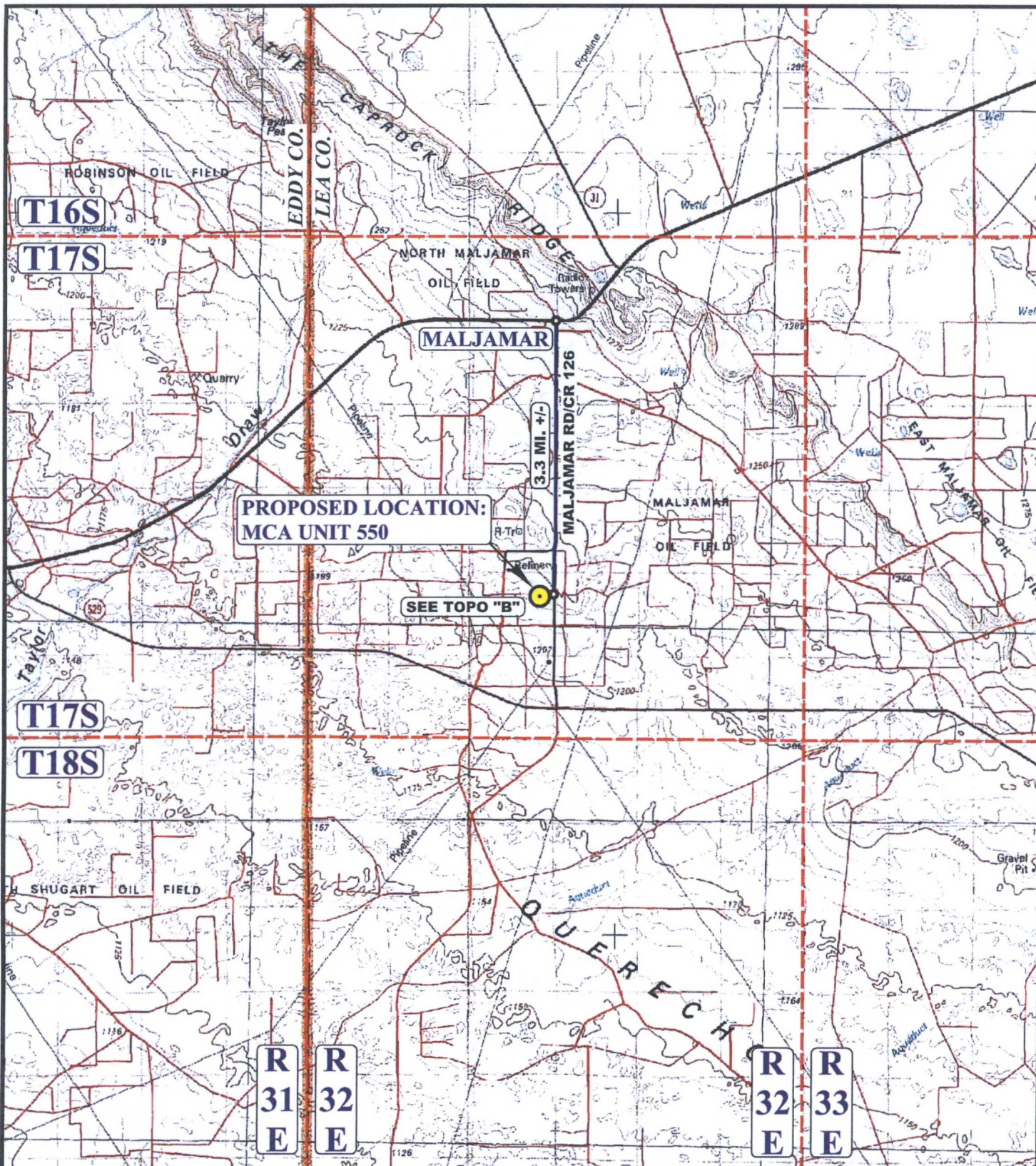
REVISED: 00-00-00

ROAD DESCRIPTION



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LEGEND:

● PROPOSED LOCATION

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, NMPM
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO

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DATE DRAWN: 04-17-15

SCALE: 1:100,000

REVISED: 00-00-00

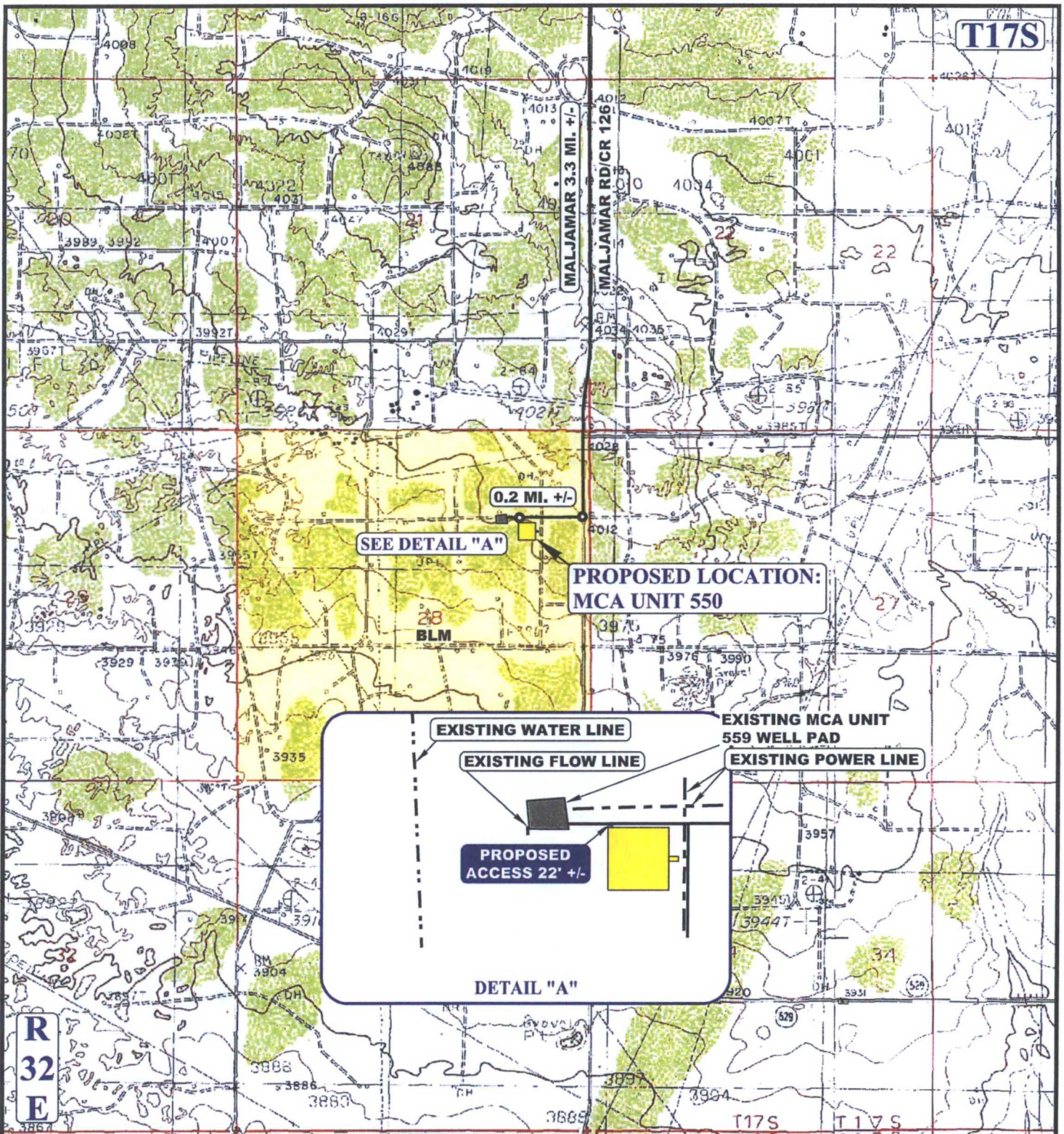
ACCESS ROAD MAP

TOPO A



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NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- - - PROPOSED ROAD
- - - EXISTING POWER LINE
- - - EXISTING PIPELINE/FLOW LINE
- - - EXISTING WATER LINE

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, NMPM
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO

DRAWN BY: B.D.

DATE DRAWN: 04-17-15

SCALE: 1" = 2000'

REVISED: 00-00-00

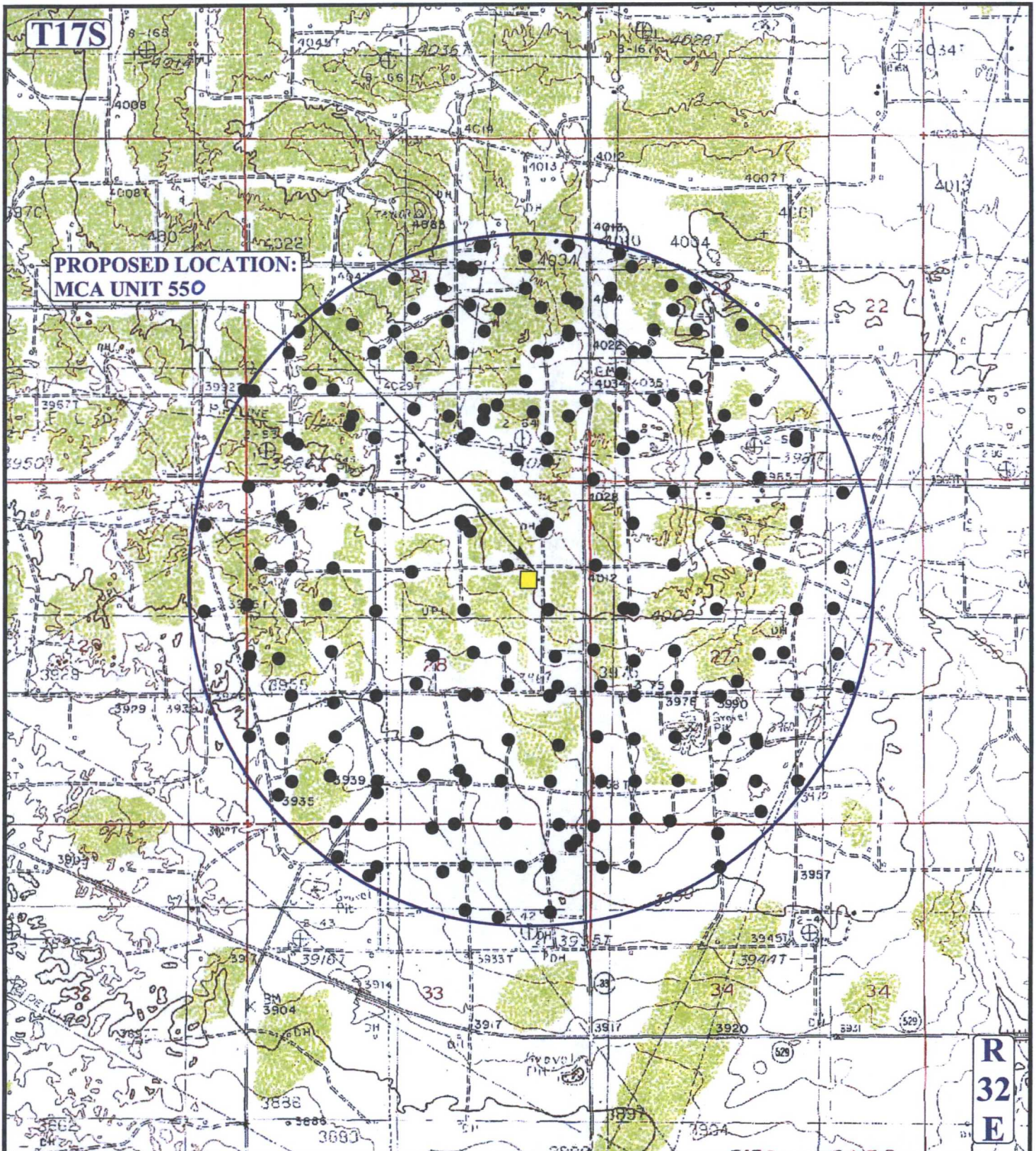
ACCESS ROAD MAP

TOPO B



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LEGEND:

- PRODUCING WELLS

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, NMPM
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO



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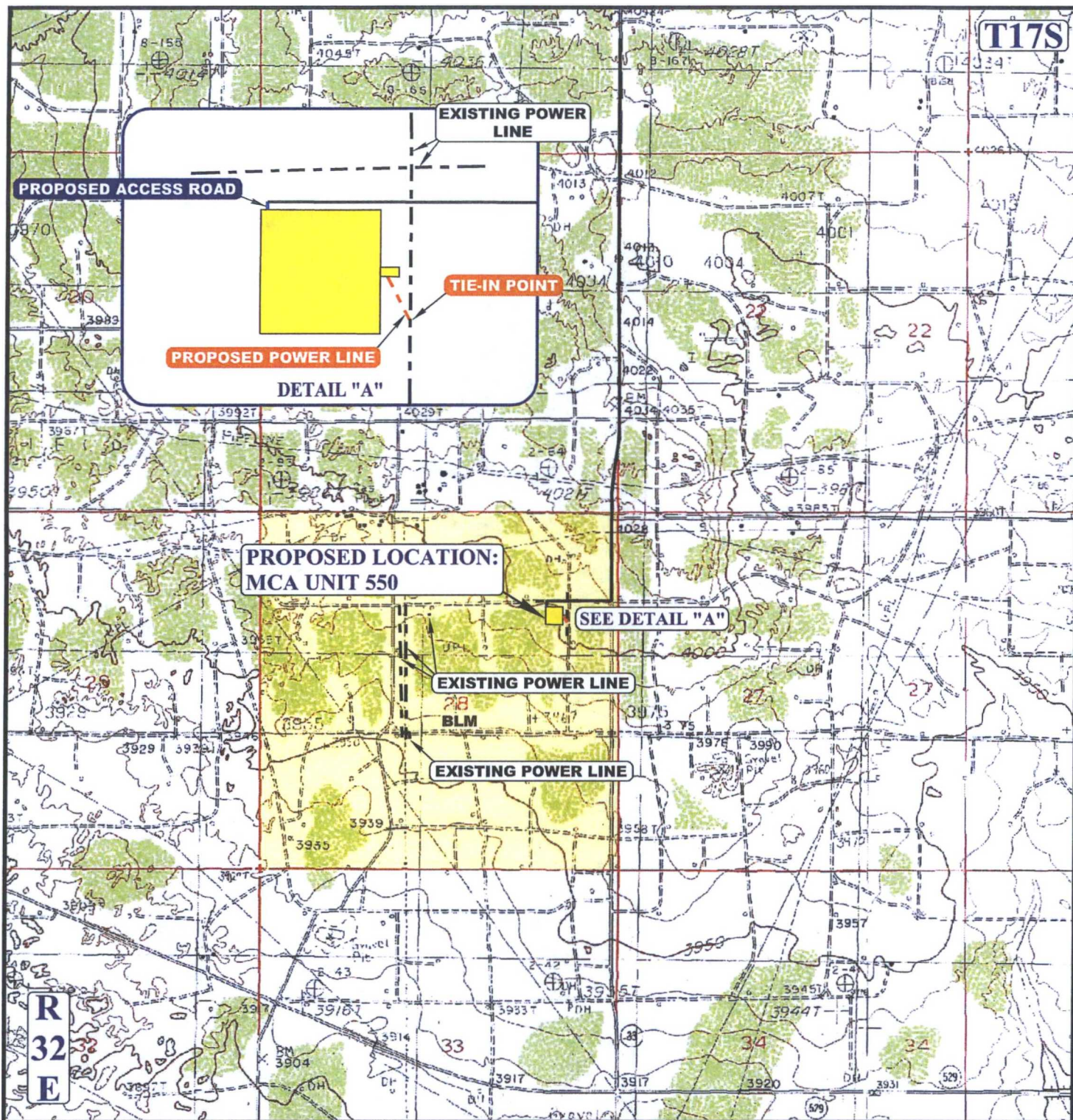
DATE DRAWN: 04-17-15

SCALE: 1" = 2000'

REVISED: 00-00-00

WELL PROXIMITY MAP

TOPO C



APPROXIMATE TOTAL POWER LINE DISTANCE = 105' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- PROPOSED ROAD
- - - PROPOSED POWER LINE
- - - EXISTING POWER LINE
- - - EXISTING PIPELINE

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, NMPM
1504' ENL 896' FEL
LEA COUNTY, NEW MEXICO

DRAWN BY: B.D.

DATE DRAWN: 04-17-15

SCALE: 1" = 2000'

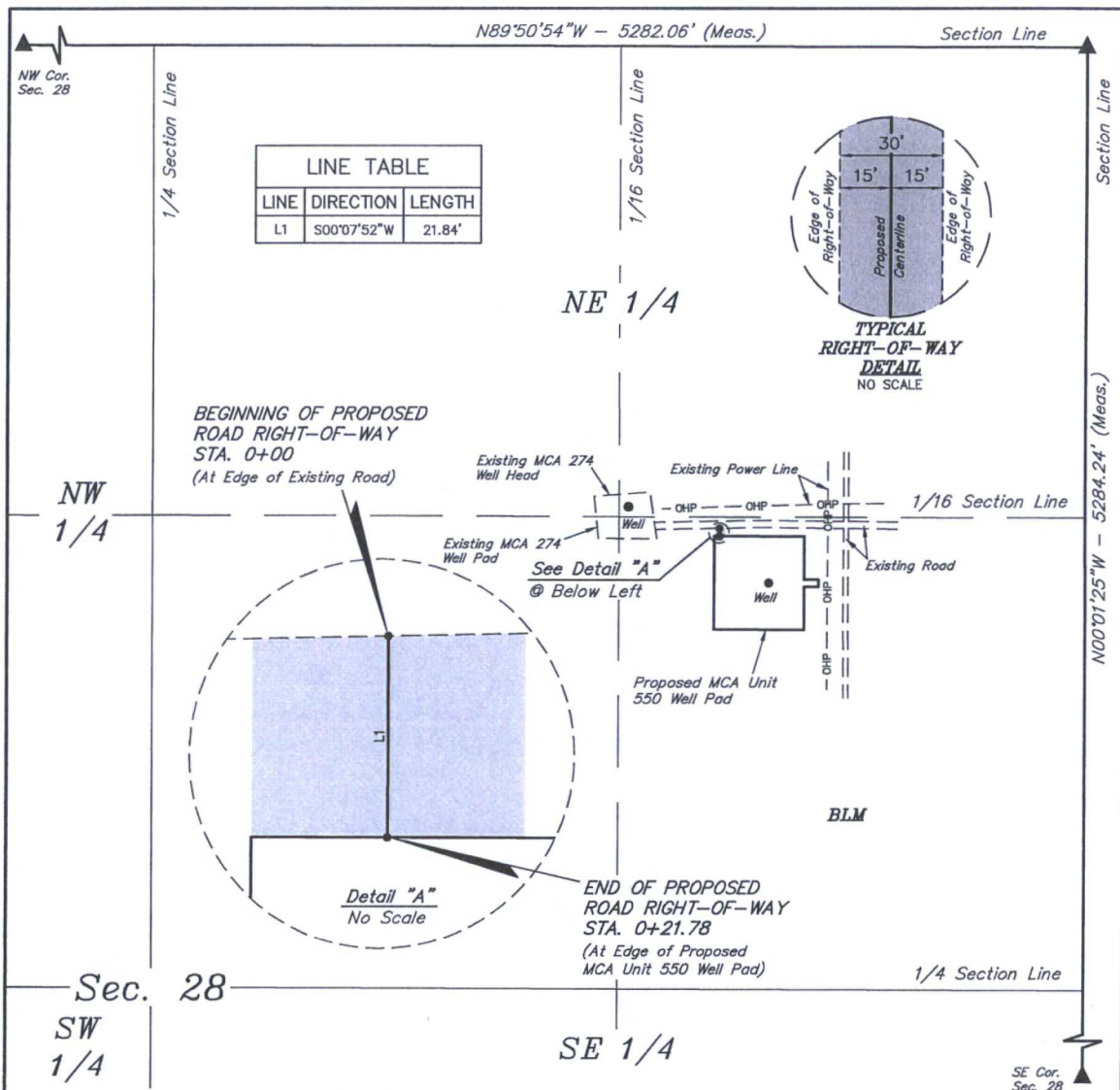
REVISED: 00-00-00

POWER LINE MAP

TOPO E



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ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NE 1/4 OF SECTION 28, T17S, R32E, N.M.P.M., WHICH BEARS S37°28'38"W 1700.81' FROM THE NORTHEAST CORNER OF SAID SECTION 28, THENCE S00°07'52"W 21.84' TO A POINT IN THE SE 1/4 NE 1/4 OF SAID SECTION 28, WHICH BEARS S37°02'08"W 1718.23' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.015 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS S37°28'38"W 1700.81' FROM THE NORTHEAST CORNER OF SECTION 28, T17S, R32E, N.M.P.M.

END OF ROAD STA. 0+21.84 BEARS S37°02'08"W 1718.23' FROM THE NORTHEAST CORNER OF SECTION 28, T17S, R32E, N.M.P.M.



ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
(SEC. 28 NE 1/4)	BLM	21.84	1.32	0.015

▲ = SECTION CORNERS LOCATED.

NOTES:

- The maximum grade of existing ground for the proposed access road is ±6.5%.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM A FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Nelson J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO
04-30-15

ConocoPhillips Company

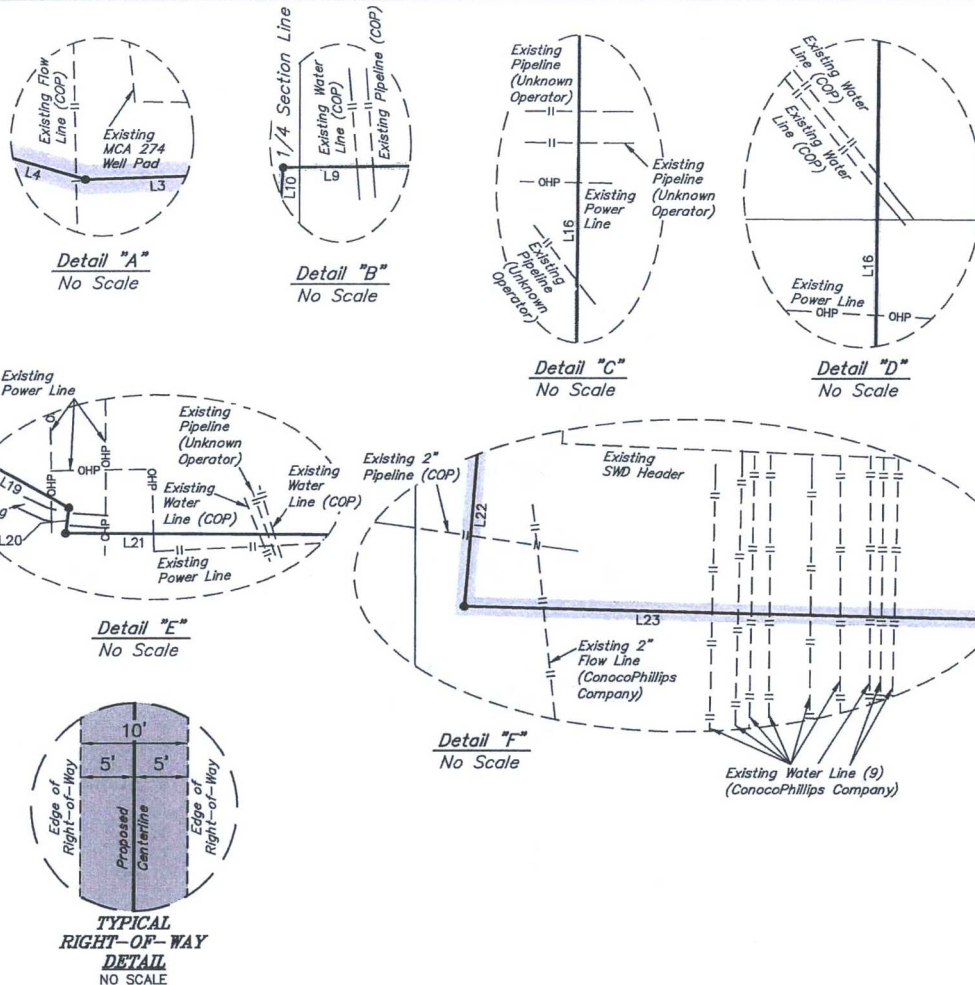
MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DRAWN BY: S.F. DATE DRAWN: 04-14-15
SCALE: 1" = 400' REVISED: 00-00-00

ACCESS ROAD R-O-W



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FLOW LINE RIGHT-OF-WAY DESCRIPTION

A 10' WIDE RIGHT-OF-WAY 5' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NE 1/4 OF SECTION 28, T17S, R32E, N.M.P.M., WHICH BEARS S37°26'02"W 1727.29' FROM THE NORTHEAST CORNER OF SAID SECTION 28, THENCE N00°09'01"E 11.32'; THENCE S83°06'18"W 169.34'; THENCE S88°13'24"W 165.89'; THENCE N73°39'31"W 67.92'; THENCE S89°22'09"W 480.23'; THENCE S24°42'40"W 38.83'; THENCE S79°42'11"W 30.93'; THENCE N44°46'04"W 49.05'; THENCE S89°27'10"W 637.44'; THENCE S04°25'39"W 95.61'; THENCE S89°44'40"W 171.81'; THENCE N08°05'38"W 79.51'; THENCE N73°28'32"W 66.65'; THENCE S86°35'42"W 348.24'; THENCE S32°09'55"W 54.54'; THENCE S00°21'54"W 1445.19'; THENCE S02°05'21"W 213.98'; THENCE S27°53'36"E 114.68'; THENCE S61°08'11"E 99.25'; THENCE S06°55'20"W 28.43'; THENCE S89°37'51"E 537.74'; THENCE S04°40'59"W 122.44'; THENCE S88°33'39"E 578.55'; THENCE N02°03'38"E 89.19' TO A POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 28, WHICH BEARS N46°29'15"W 2828.75' FROM THE SOUTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.307 ACRES MORE OR LESS.

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
(SEC. 28 NE 1/4)	BLM	1643.54	99.61	0.377
(SEC. 28 NW 1/4)	BLM	2005.37	121.54	0.460
(SEC. 28 SW 1/4)	BLM	1239.00	75.09	0.284
(SEC. 28 SE 1/4)	BLM	808.85	49.02	0.186
TOTAL	BLM	5696.76	345.26	1.307

▲ = SECTION CORNERS LOCATED.

NOTES:

CERTIFICATE OF PROFESSIONAL SURVEY
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO

04-30-15
Sheet 1 of 2

ConocoPhillips Company

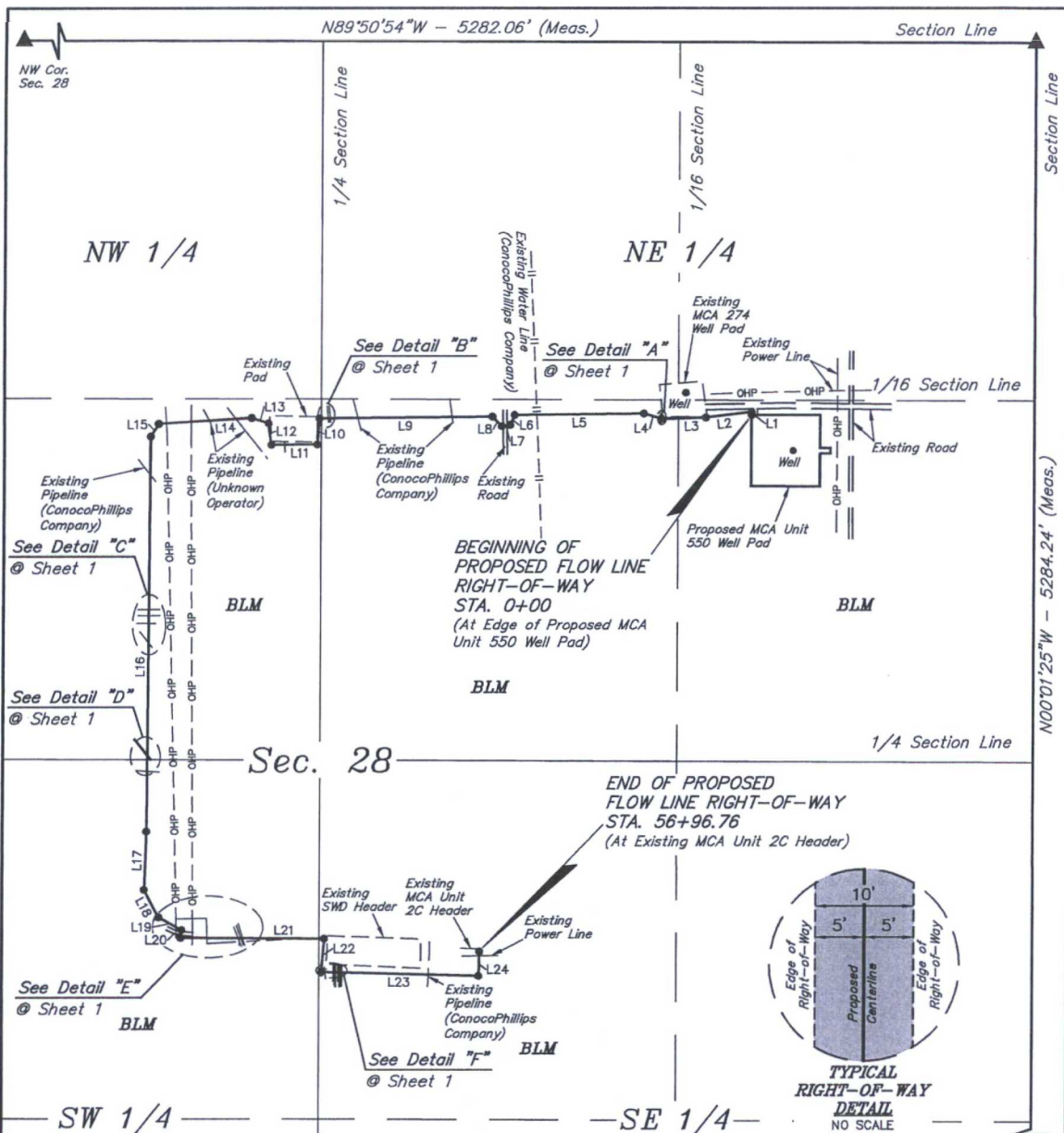
MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DRAWN BY: S.F. DATE DRAWN: 04-14-15
SCALE: NONE REVISED: 00-00-00

FLOW LINE R-O-W



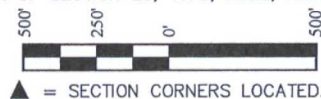
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LINE TABLE			LINE TABLE			LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	N00°09'01"E	11.32'	L7	S79°42'11"W	30.93'	L13	N73°28'32"W	66.65'	L19	S61°08'11"E	99.25'
L2	S83°06'18"W	169.34'	L8	N44°46'04"W	49.05'	L14	S86°35'42"W	348.24'	L20	S06°55'20"W	28.43'
L3	S88°13'24"W	165.89'	L9	S89°27'10"W	637.44'	L15	S32°09'55"W	54.54'	L21	S89°37'51"E	537.74'
L4	N73°39'31"W	67.92'	L10	S04°25'39"W	95.61'	L16	S00°21'54"W	1445.19'	L22	S04°40'59"W	122.44'
L5	S89°22'09"W	480.23'	L11	S89°44'40"W	171.81'	L17	S02°05'21"W	213.98'	L23	S88°33'39"E	578.55'
L6	S24°42'40"W	38.83'	L12	N08°05'38"W	79.51'	L18	S27°53'36"E	114.68'	L24	N02°03'38"E	89.19'

BEGINNING OF FLOW LINE STA. 0+00 BEARS
S37°26'02"W 1727.29' FROM THE NORTHEAST
CORNER OF SECTION 28, T17S, R32E, N.M.P.M.

END OF FLOW LINE STA. 56+96.76 BEARS
N46°29'15"W 2828.75' FROM THE SOUTHEAST
CORNER OF SECTION 28, T17S, R32E, N.M.P.M.



NOTES:

CERTIFICATE OF PROFESSIONAL SURVEY
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD
NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO
04-30-15
Sheet 2 of 2

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DRAWN BY: S.F. DATE DRAWN: 04-14-15
SCALE: 1" = 400' REVISED: 00-00-00

FLOW LINE R-O-W



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Vernal, UT 84078 * (435) 789-1017

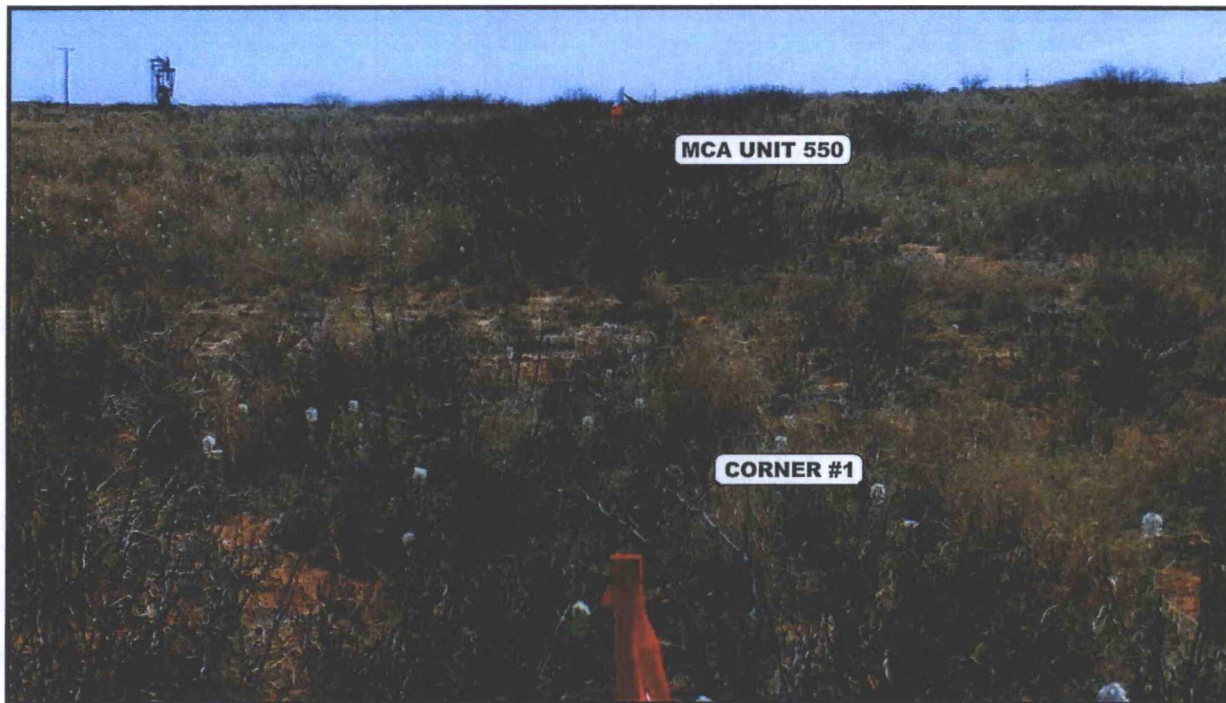


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY

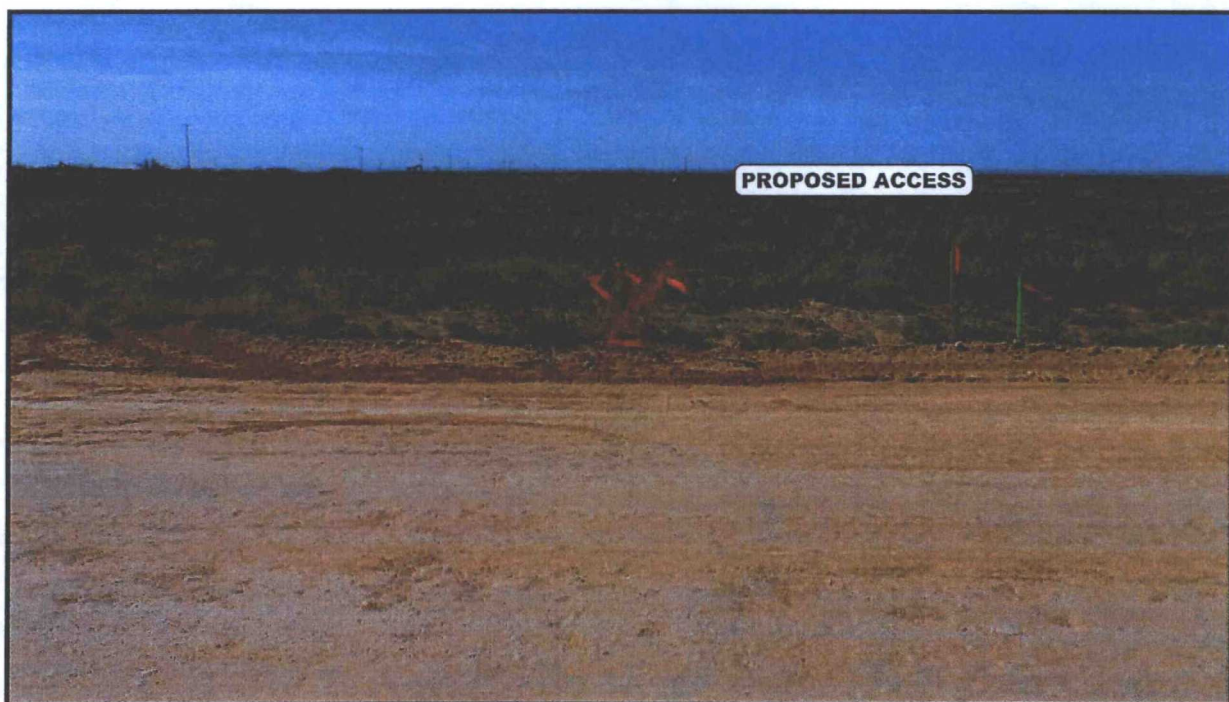


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY

ConocoPhillips Company

MCA UNIT 550
SECTION 28, T17S, R32E, NMPM
1504' FNL 896' FEL
LEA COUNTY, NEW MEXICO



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

DRAWN BY: B.D.	DATE DRAWN: 04-17-15
TAKEN BY: J.V.	REVISED: 00-00-00
LOCATION PHOTOS	PHOTO