

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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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 HOBBS OCD
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AUG 05 2014

AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025- ¹ API Number 42021	57380 ² Pool Code	SKAGGS; GRAYBURG ³ Pool Name
⁴ Property Code 31670	⁵ Property Name SEMU	
⁷ OGRID No. 217817	⁸ Operator Name ConocoPhillips Company	⁶ Well Number 250
		⁹ Elevation 3541'

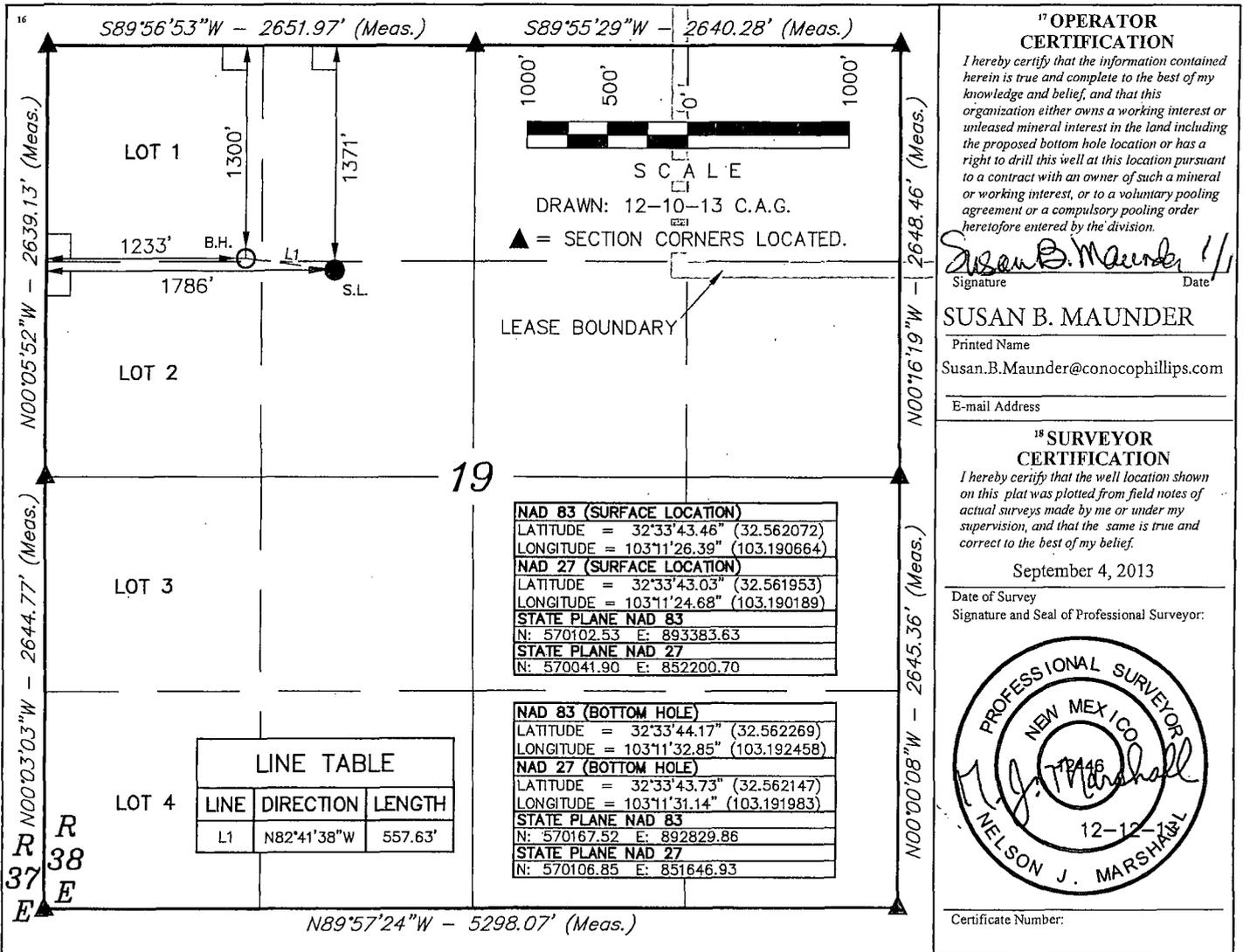
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	20 S	38 E		1371	NORTH	1786	WEST	LEA

¹¹Bottom 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
1 ∇	19	20 S	38 E		1300	NORTH	1233	WEST	LEA
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

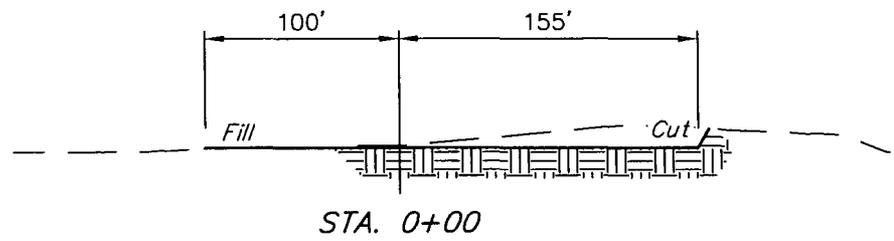
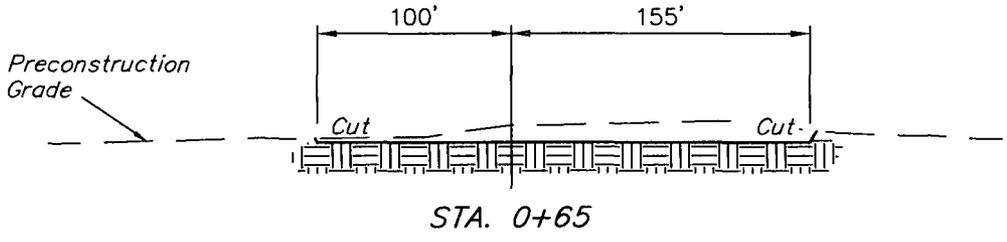
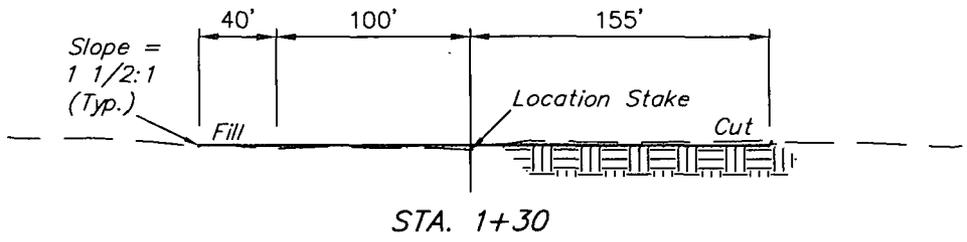
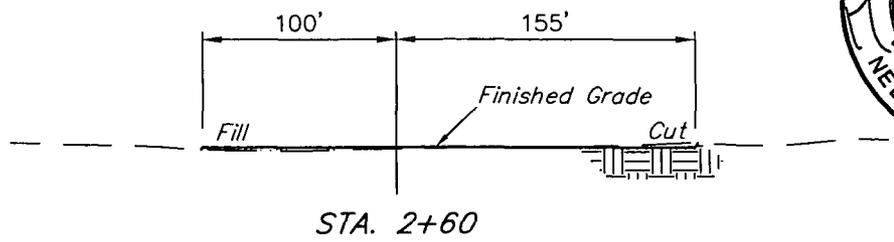
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



AUG 07 2014

JM

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



APPROXIMATE EARTHWORK QUANTITIES		APPROXIMATE SURFACE DISTURBANCE AREAS		
(6") TOPSOIL STRIPPING	1,280 Cu. Yds.		DISTANCE	ACRES
REMAINING LOCATION	1,920 Cu. Yds.		WELL SITE DISTURBANCE	NA ±1.880
TOTAL CUT	3,200 Cu. Yds.		6' WIDE PIPELINE R-O-W DISTURBANCE	±1202.17' ±0.166
FILL	900 Cu. Yds.		TOTAL SURFACE USE AREA	±1207.17' ±2.046
EXCESS MATERIAL	2,300 Cu. Yds.			
TOPSOIL	1,280 Cu. Yds.			
EXCESS UNBALANCE (After Interim Rehabilitation)	1,020 Cu. Yds.			

NOTES:

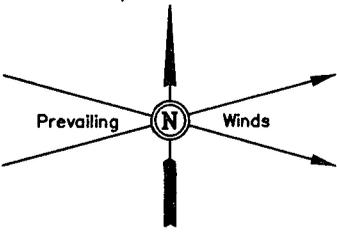
- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Topsoil should not be stripped below finished grade on substructure area.

ConocoPhillips Company
 SEMU 250
 SECTION 19, T20S, R38E, N.M.P.M.
 1371' FNL 1786' FWL

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

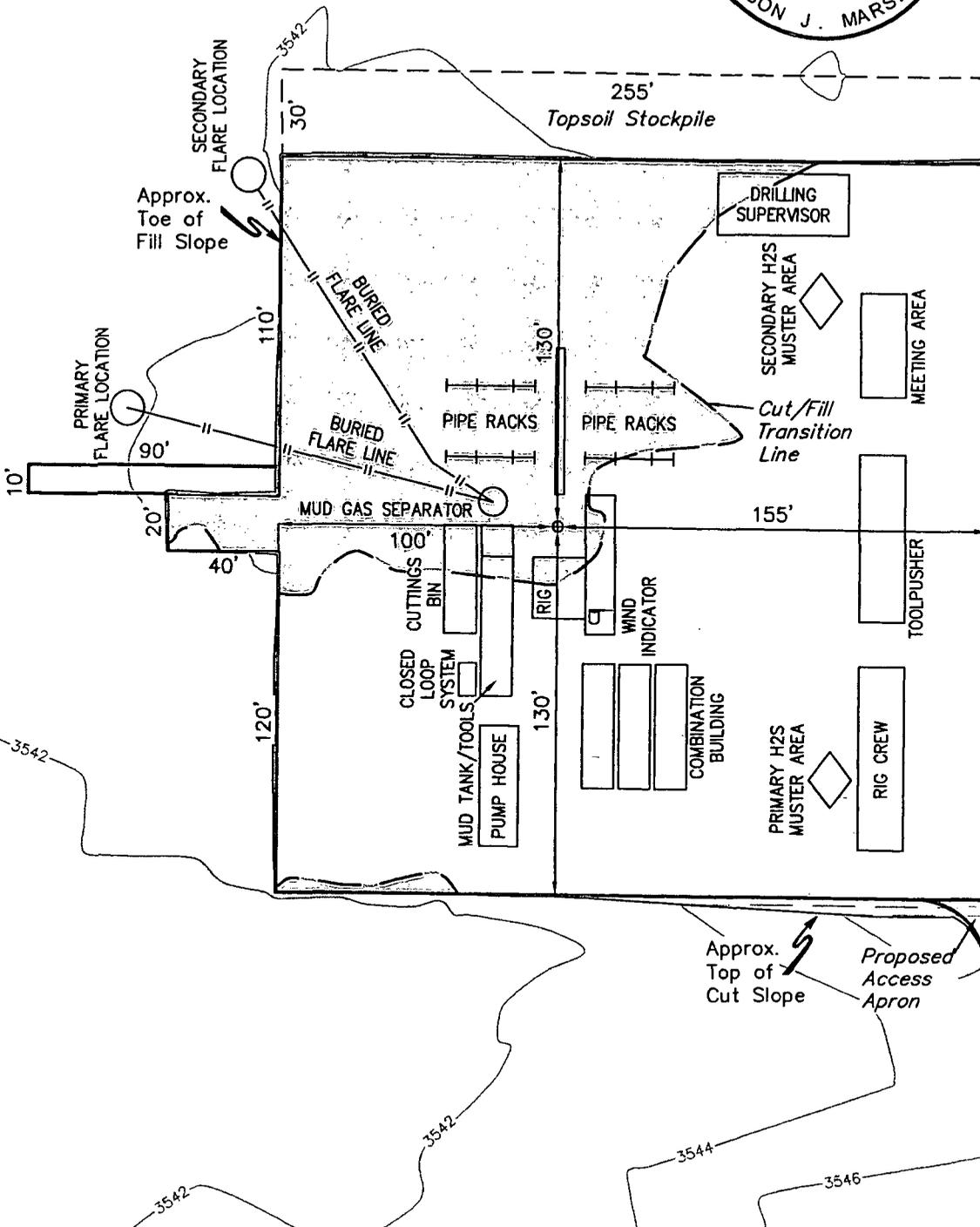
DRAWN BY: J.W. SCALE: AS SHOWN
 DATE: 09-09-13 REVISED:

TYPICAL CROSS SECTIONS **FIGURE #2**



Existing Pipeline

Existing Access Road



Approx. Top of Cut Slope

Proposed Access Apron

NOTES:

- Flare pit is to be located a min. of 160' from the well head.

ConocoPhillips

ConocoPhillips Company

SEMU 250
SECTION 19, T20S, R38E, N.M.P.M.
1371' FNL 1786' FWL

DRAWN BY: J.W.

SCALE: 1" = 60'

DATE: 09-09-13

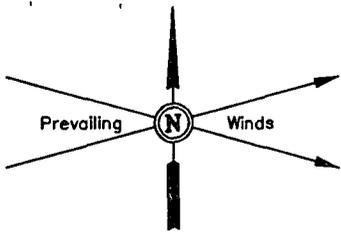
REV: 12-10-13 C.A.G.



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TYPICAL RIG LAYOUT

FIGURE #3



Existing Pipeline

Topsoil Stockpile

Cut/Fill Transition Line

Approx. Toe of Fill Slope

100' Well Head

Road

260'

APPROXIMATE ACREAGE
UN-RECLAIMED = ± 1.199 ACRES

Approx. Top of Cut Slope
Proposed Access Apron

LEGEND:
 Reclaimed Area

NOTES:

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SEM U 250
SECTION 19, T20S, R38E, N.M.P.M.
1371' FNL 1786' FWL

DRAWN BY: J.W.

SCALE: 1" = 60'

DATE: 09-09-13

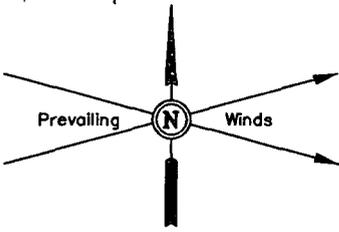
REV: 12-10-13 C.A.G.



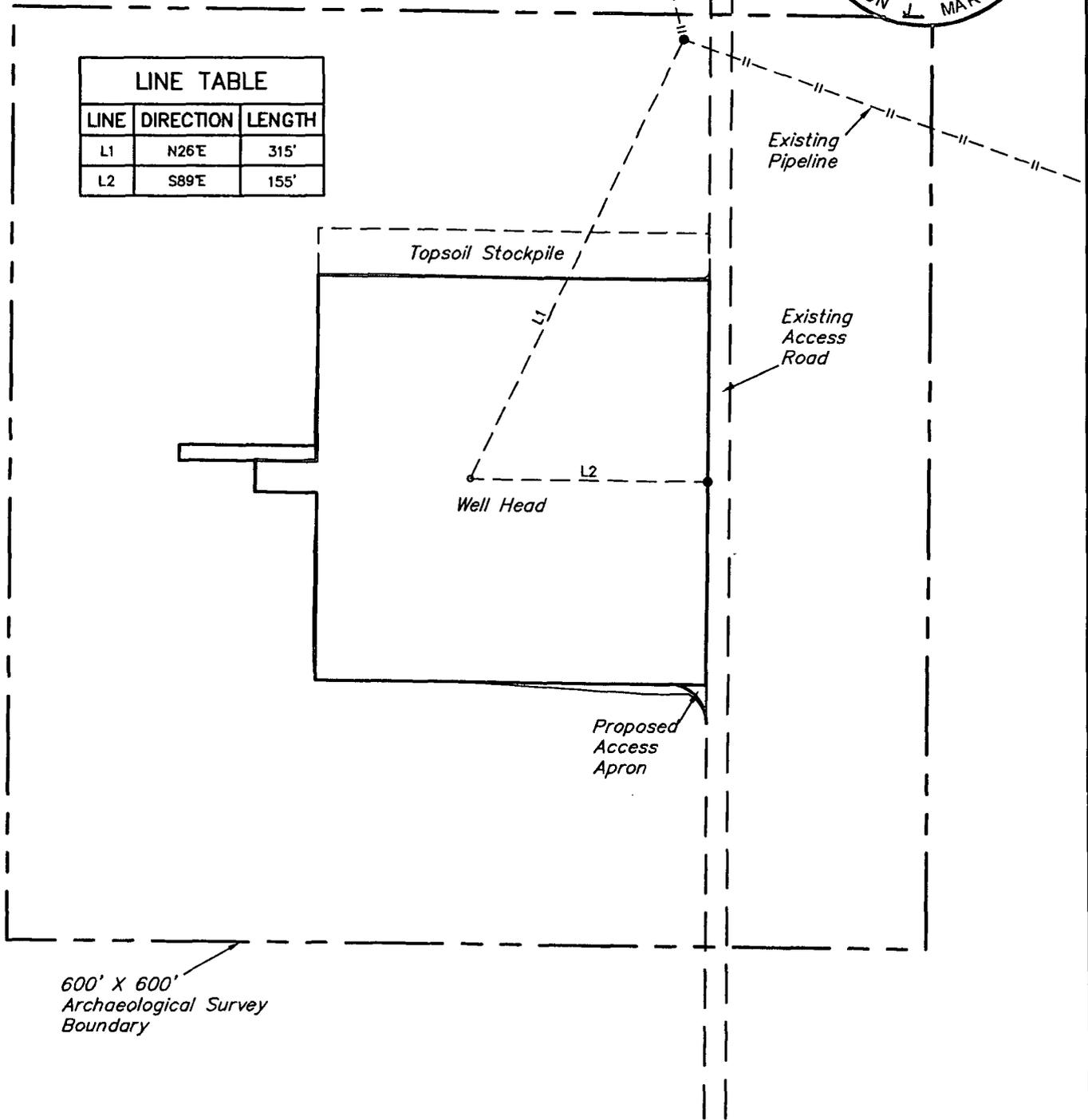
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RECLAMATION DIAGRAM

FIGURE #4

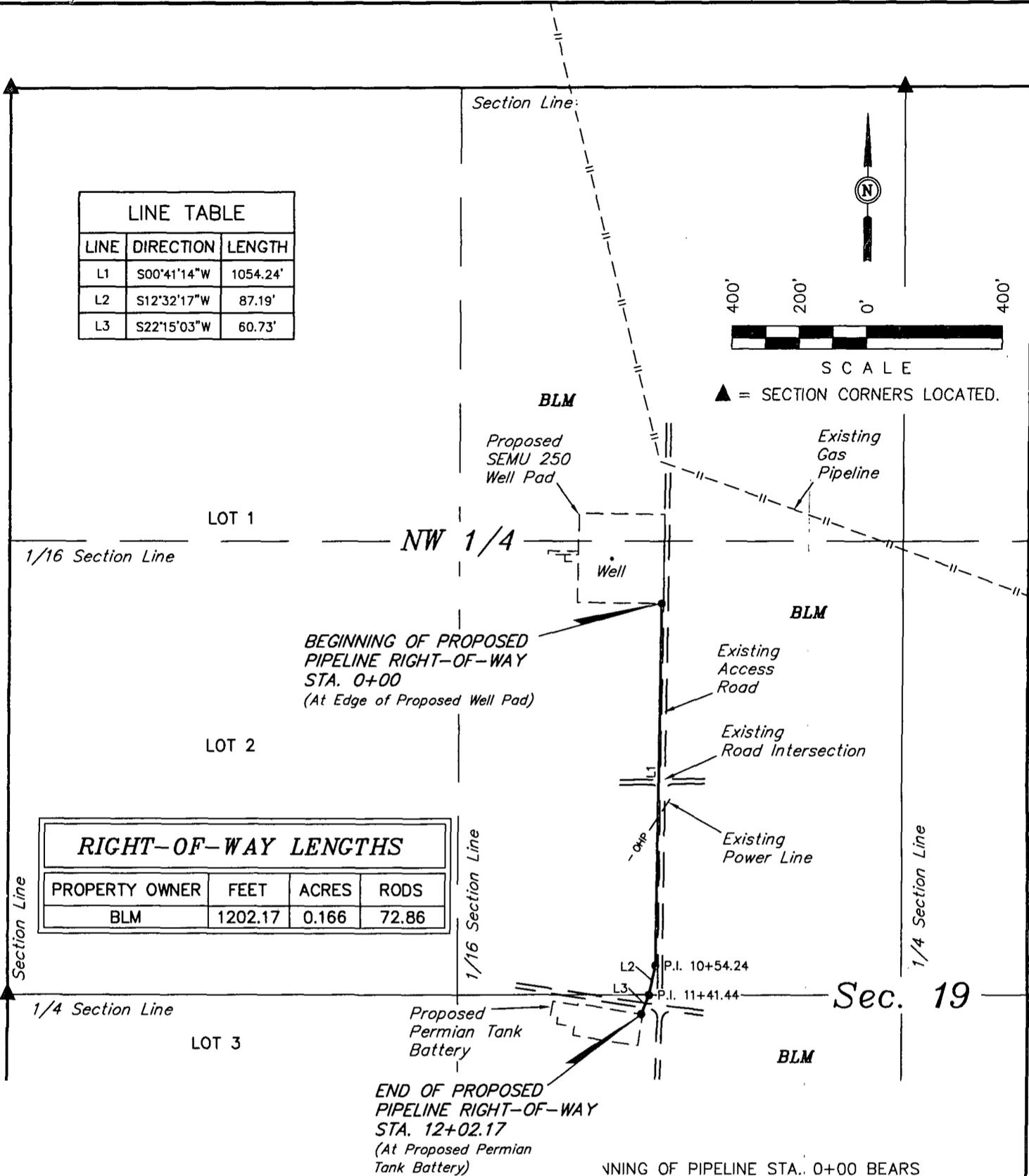
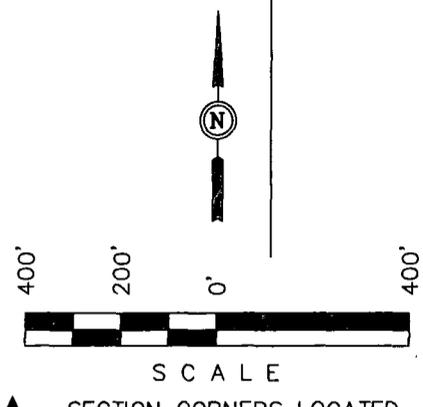


LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N26°E	315'
L2	S89°E	155'



NOTES:	ConocoPhillips	ConocoPhillips Company	
	SEMU 250 SECTION 19, T20S, R38E, N.M.P.M. 1371' FNL 1786' FWL		
<p>Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017</p>	DRAWN BY: J.W.	SCALE: 1" = 100'	
	DATE: 09-09-13	REV: 12-10-13 C.A.G.	
ARCHAEOLOGICAL SURVEY BOUNDARY			FIGURE #5

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°41'14"W	1054.24'
L2	S12°32'17"W	87.19'
L3	S22°15'03"W	60.73'



RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
BLM	1202.17	0.166	72.86

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 6' WIDE RIGHT-OF-WAY 3' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

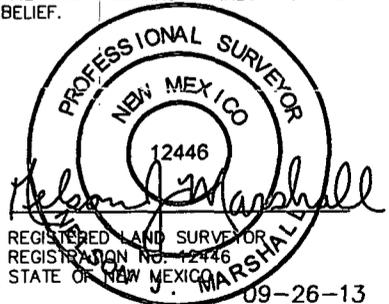
BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 19, T20S, R38E, N.M.P.M., WHICH BEARS N59°31'01"E 2242.74' FROM THE WEST 1/4 CORNER OF SAID SECTION 19, THENCE S00°41'14"W 1054.24'; THENCE S12°32'17"W 87.19'; THENCE S22°15'03"W 60.73' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 19, WHICH BEARS S88°14'15"E 1879.07' FROM THE WEST 1/4 CORNER OF SAID SECTION 19. 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 0.166 ACRES MORE OR LESS.

BEGINNING OF PIPELINE STA. 0+00 BEARS N59°31'01"E 2242.74' FROM THE WEST 1/4 CORNER OF SECTION 19, T20S, R38E, N.M.P.M.

END OF PIPELINE STA. 12+02.17 BEARS S88°14'15"E 1879.047' FROM THE WEST 1/4 CORNER OF SECTION 19, T20S, R38E, N.M.P.M.

CERTIFICATE

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.

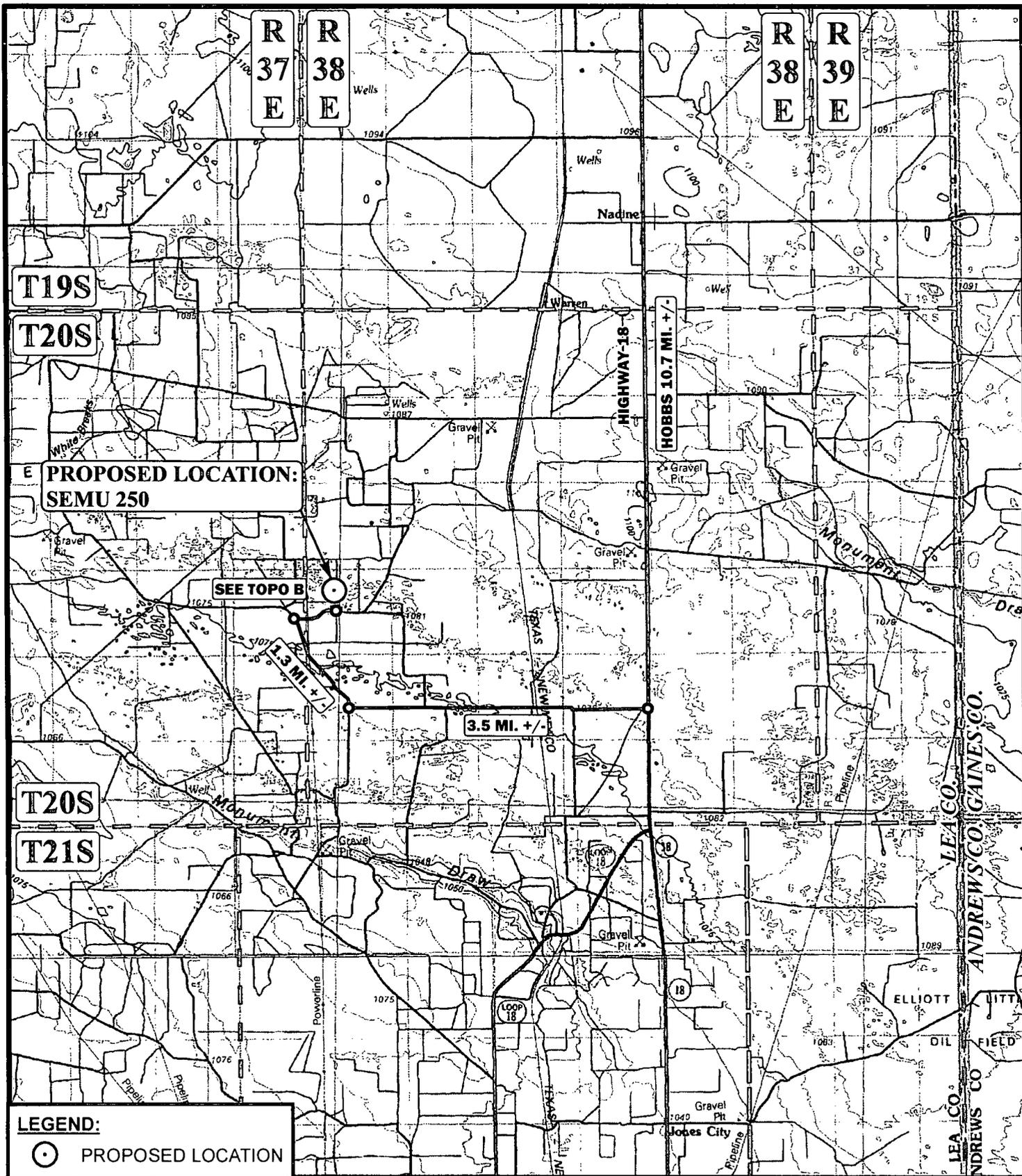


NOTES:	ConocoPhillips	ConocoPhillips Company	
	SEMU 250 SECTION 19, T20S, R38E, N.M.P.M. 1371' FNL 1786' FWL		
	Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017	DRAWN BY: J.W. DATE: 09-09-13	SCALE: 1" = 400' REVISED:
		PIPELINE R-O-W	
		FIGURE #6	

ConocoPhillips Company
SEMU 250
SECTION 19, T20S, R38E, N.M.P.M.

BEGINNING AT THE INTERSECTION OF U.S. HIGHWAY 62/U.S. HIGHWAY 180 AND HIGHWAY 18, PROCEED IN A SOUTHERLY DIRECTION FROM HOBBS, NEW MEXICO ALONG HIGHWAY 18 APPROXIMATELY 10.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 3.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM HOBBS, NEW MEXICO TO THE PROPOSED LOCATION IS APPROXIMATELY 16.2 MILES.



LEGEND:
 PROPOSED LOCATION

SCALE: 1:100,000
 DRAWN BY: J.L.H.
 DATE DRAWN: 09-11-13



ConocoPhillips **ConocoPhillips Company**

SEMU 250
 SECTION 19, T20S, R38E, N.M.P.M.
 1371' FNL 1786' FWL



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

ACCESS ROAD MAP

TOPO A



PHOTO: VIEW FROM CORNER #3 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

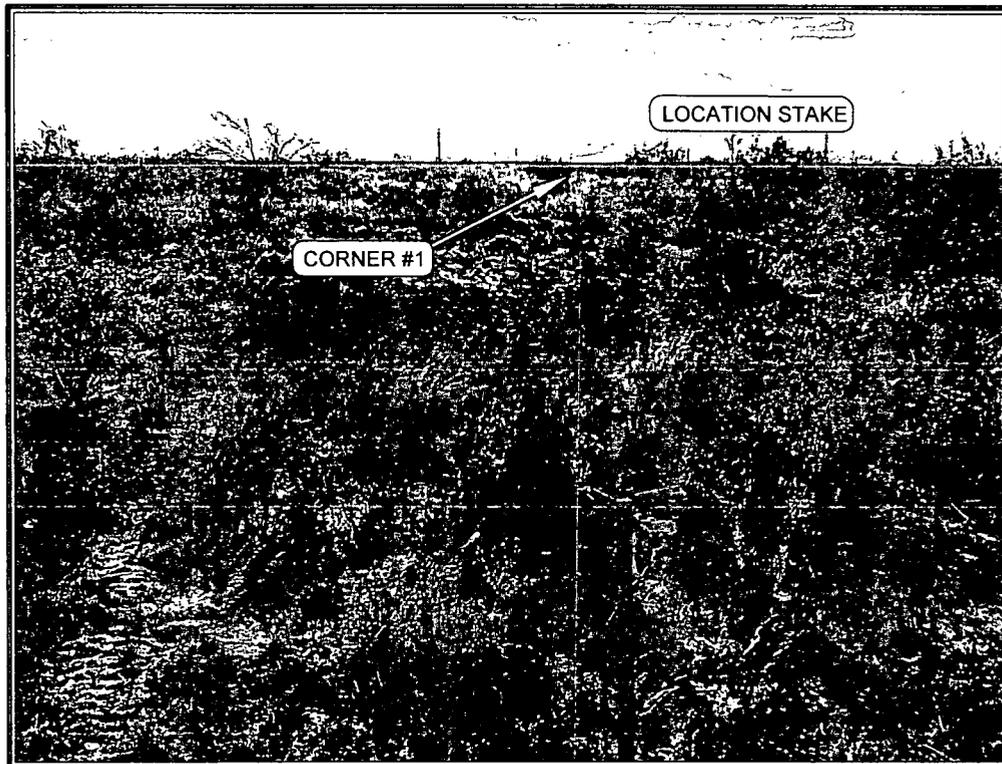


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

NOTES:

ConocoPhillips

ConocoPhillips Company

SEMU 250
SECTION 19, T20S, R38E, N.M.P.M.
1371' FNL 1786' FWL

TAKEN BY: J.V.

DRAWN BY: J.L.H.

REVISED:

DATE: 09-04-13

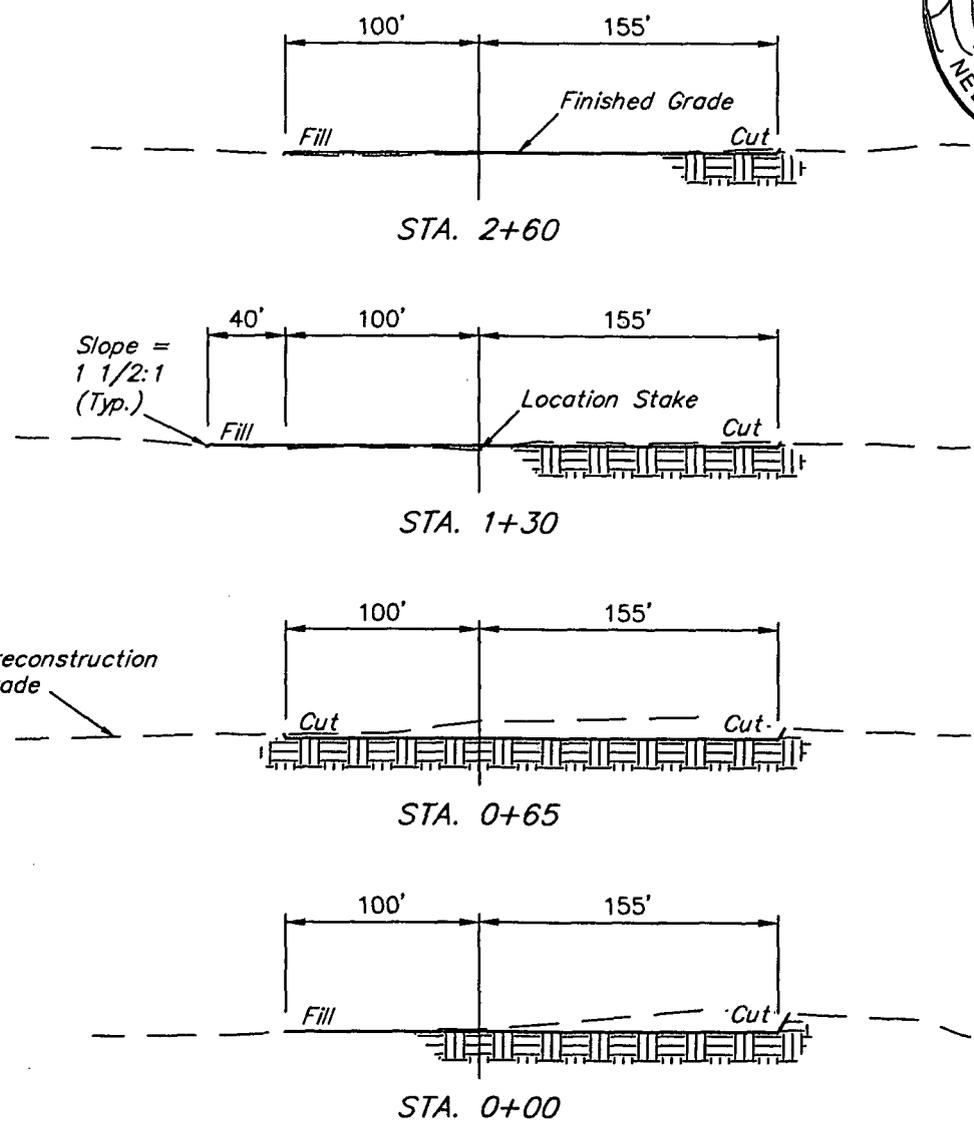
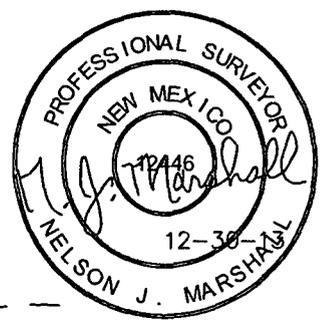
DATE: 09-11-13



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

PHOTO SHEET

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



APPROXIMATE EARTHWORK QUANTITIES		APPROXIMATE SURFACE DISTURBANCE AREAS	
(6") TOPSOIL STRIPPING	1,280 Cu. Yds.		
REMAINING LOCATION	1,920 Cu. Yds.	WELL SITE DISTURBANCE	NA ±1.880
TOTAL CUT	3,200 Cu. Yds.	PIPELINE DISTURBANCE	±1202.17' ±0.166
FILL	900 Cu. Yds.	POWER LINE DISTURBANCE	±613.29' ±0.141
EXCESS MATERIAL	2,300 Cu. Yds.		
TOPSOIL	1,280 Cu. Yds.	TOTAL DISTURBANCE	±1815.46' ±2.187
EXCESS UNBALANCE (After Interim Rehabilitation)	1,020 Cu. Yds.		

NOTES:

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Topsoil should not be stripped below finished grade on substructure area.

ConocoPhillips **ConocoPhillips Company**

SEMU 250
 SECTION 19, T20S, R38E, N.M.P.M.
 1371' FNL 1786' FWL

UINTAH
 ENGINEERING & LAND SURVEYING

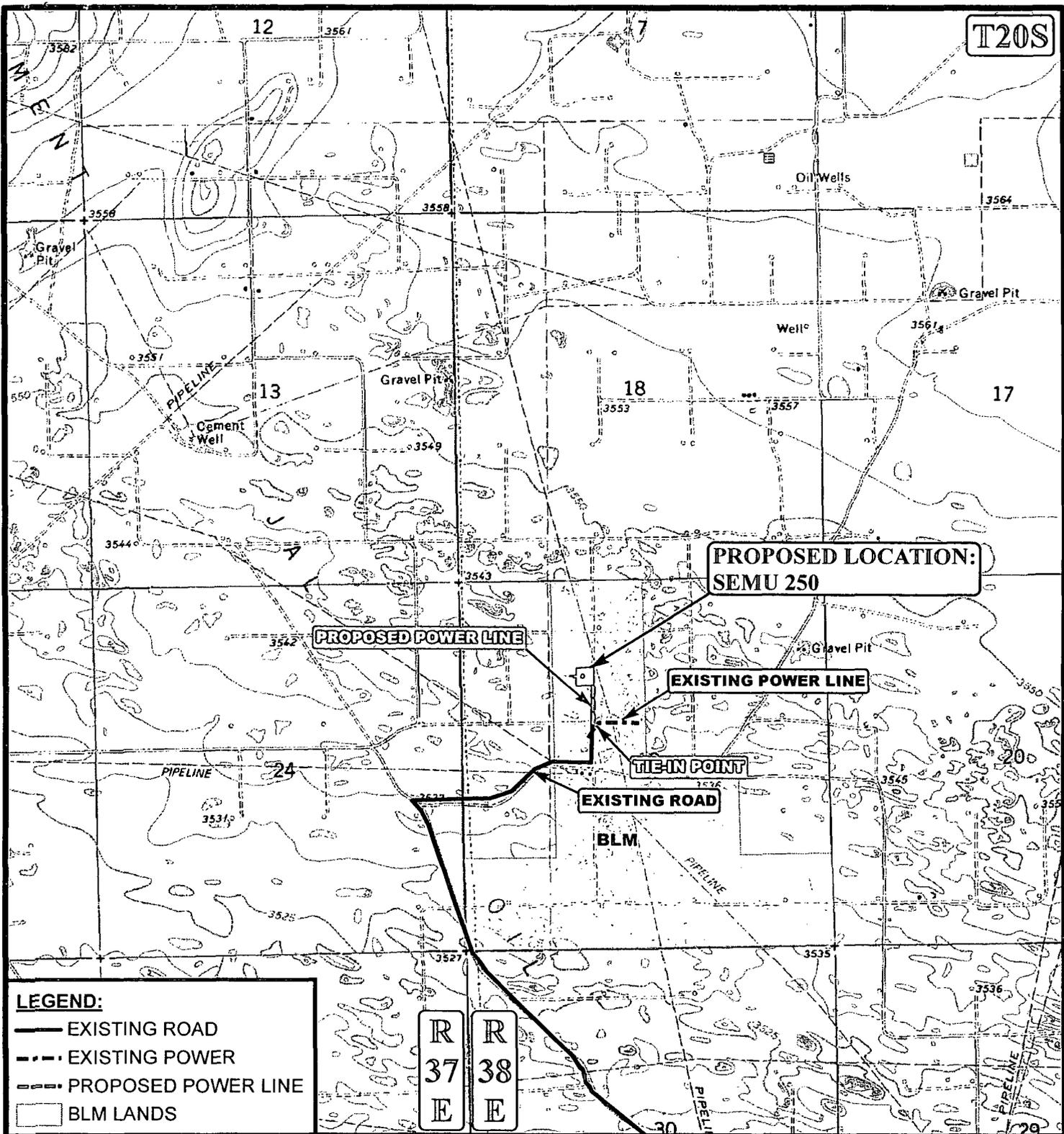
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DRAWN BY: J.W. SCALE: AS SHOWN

DATE: 09-09-13 REV: 12-30-13 B.D.H.

TYPICAL CROSS SECTIONS **FIGURE #2**

T20S



PROPOSED LOCATION:
SEMU 250

PROPOSED POWER LINE

EXISTING POWER LINE

TIE-IN POINT

EXISTING ROAD

BLM

LEGEND:

- EXISTING ROAD
- - - EXISTING POWER
- - - PROPOSED POWER LINE
- BLM LANDS

R 37 E
R 38 E

APPROXIMATE TOTAL POWER LINE DISTANCE = 613' +/-

*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 UINAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'
DRAWN BY: J.M.C.
DATE DRAWN: 12-26-13

REVISED:



ConocoPhillips

ConocoPhillips Company

SEMU 250
SECTION 19, T20S, R38E, N.M.P.M.
1371' FNL 1786' FWL

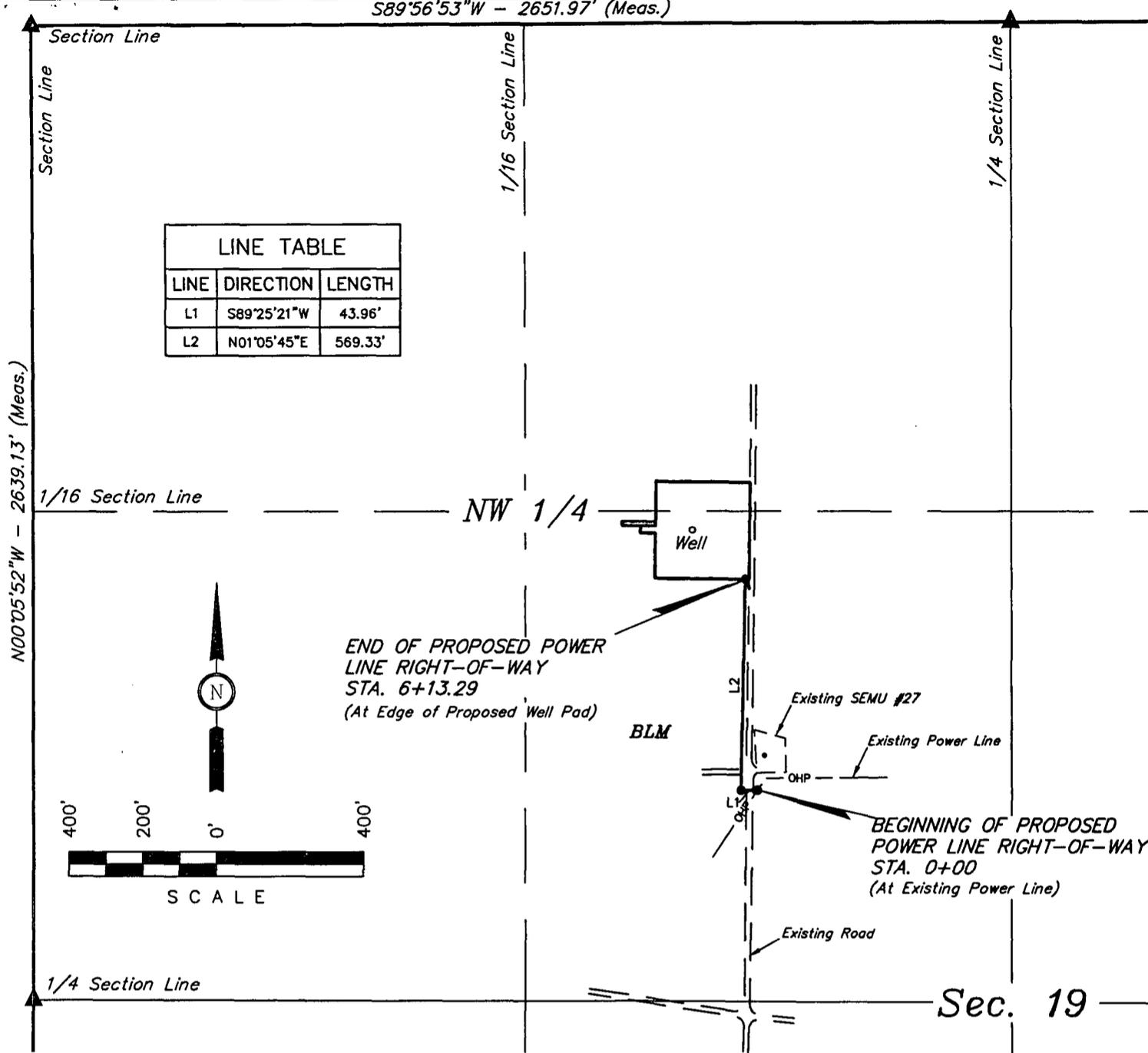


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Vernal, UT 84078 * (435) 789-1017

POWER LINE MAP

TOPO E

S89°56'53"W - 2651.97' (Meas.)



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°25'21"W	43.96'
L2	N01°05'45"E	569.33'

POWER 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 NW 1/4 OF SECTION 19, T20S, R38E, N.M.P.M., WHICH BEARS N73°49'01"E 2041.50' FROM THE WEST 1/4 CORNER OF SAID SECTION 19, THENCE S89°25'21"W 43.96'; THENCE N01°05'45"E 569.33' TO A POINT IN THE SE 1/4 NW 1/4 OF SAID SECTION 19, WHICH BEARS N69°26'53"E 2238.28' FROM THE WEST 1/4 CORNER OF SAID SECTION 19. 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 0.141 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS N73°49'01"E 2041.50' FROM THE WEST 1/4 CORNER OF SECTION 19, T20S, R38E, N.M.P.M.

END OF ROAD STA. 6+13.29 BEARS N69°26'53"E 2238.28' FROM THE WEST 1/4 CORNER OF SECTION 19, T20S, R38E, N.M.P.M.

RIGHT-OF-WAY LENGTHS			
DESCRIPTION	FEET	ACRES	RODS
BLM	613.29	0.141	37.17

▲ = SECTION CORNERS LOCATED.

CERTIFICATE OF PROFESSIONAL SURVEYOR
 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.
 Nelson J. Marshall
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 12446
 STATE OF NEW MEXICO
 12-30-13

NOTES:	ConocoPhillips	ConocoPhillips Company	
	SEMU 250 SECTION 19, T20S, R38E, N.M.P.M. 1371' FNL 1786' FWL		
	DRAWN BY: B.D.H.	SCALE: 1" = 400'	
	DATE: 12-30-13	REVISED:	
Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017		POWER LINE R-O-W	
			FIGURE #8

Drilling Plan
 ConocoPhillips Company
SEMU; Grayburg

SEMU #250

Lea County, New Mexico

1. Estimated tops of geological markers and estimated depths to water, oil, or gas formations:

The datum for these depths is RKB (which is 13' above Ground Level).

Formations	Top Depth FT TVD	Top Depths FT MD	Contents
Quaternary	Surface	Surface	Fresh Water
Rustler	1376	1376	Anhydrite
Salado (top of salt)	1462	1462	Salt
Tansill (base of salt)	2575	2576	Gas, Oil and Water
Yates	2675	2677	Gas, Oil and Water
Seven Rivers	2908	2913	Gas, Oil and Water
Queen	3480	3509	Gas, Oil and Water
Penrose	3616	3655	Gas, Oil and Water
Grayburg	3764	3817	Gas, Oil and Water
San Andres	3989	4065	Gas, Oil and Water
Deepest estimated perforation	3989	4065	Deepest estimated perf. is above Top of San Andres
Total Depth (maximum)	4189	4286	200' below deepest estimated perforation

All of the water bearing formations identified above will be protected by setting of the 8-5/8" surface casing 25' – 70' into the Rustler formation and circulating of cement from casing shoe to surface in accordance with the provisions of Onshore Oil and Gas Order No. 2 and New Mexico Oil Conservation Division Title 19.

The targeted oil and gas bearing formations identified above will be protected by setting of the 5-1/2" production casing 10' off bottom of TD and circulating of cement from casing shoe to surface in accordance with the provisions of Onshore Oil and Gas Order No. 2 and New Mexico Oil Conservation Division Title 19.

2. Proposed casing program:

Type	Hole Size (in)	Interval MD RKB (ft)		OD (inches)	Wt (lb/ft)	Gr	Conn	MIY (psi)	Col (psi)	Jt Str (klbs)	Safety Factors Calculated per ConocoPhillips Corporate Criteria		
		From	To								Burst DF	Collapse DF	Jt Str DF (Tension) Dry/Buoyant
Cond	20	0	40' – 85' (30' – 75' BGL)	16	0.5" wall	B	Line Pipe	N/A	N/A	N/A	NA	NA	NA
Alt. Cond	20	0	40' – 85' (30' – 75' BGL)	13-3/8	48#	H-40	PE	1730	740	N/A	NA	NA	NA
Surf	12-1/4	0	1401' – 1446'	8-5/8	24#	J-55	STC	2950	1370	244	1.38	2.13	3.04
Prod	7-7/8	0	4231' – 4276'	5-1/2	17#	L-80	LTC	7740	6290	338	3.48	4.90	2.69

The casing will be suitable for H₂S Service. All casing will be new.

The surface and production casing will be set approximately 10' off bottom and we will drill the hole with a 45' range uncertainty for casing set depth to fit the casing string so that the cementing head is positioned at the floor for the cement job.

The production casing will be set 155' to 200' below the deepest estimated perforation to provide rathole for the pumping completion and for the logs to get deep enough to log the interval of interest.

Casing Safety Factors - BLM Criteria:

Type	Depth	Wt	MIY	Col	Jt Str	Drill Fluid	Burst	Collapse	Tensile-Dry	Tens-Bouy
Surface Casing	1446	24	2950	1370	244000	8.5	4.62	2.14	7.0	8.1
Production Casing	4276	17	7740	6290	338000	10	3.48	2.83	4.65	5.49

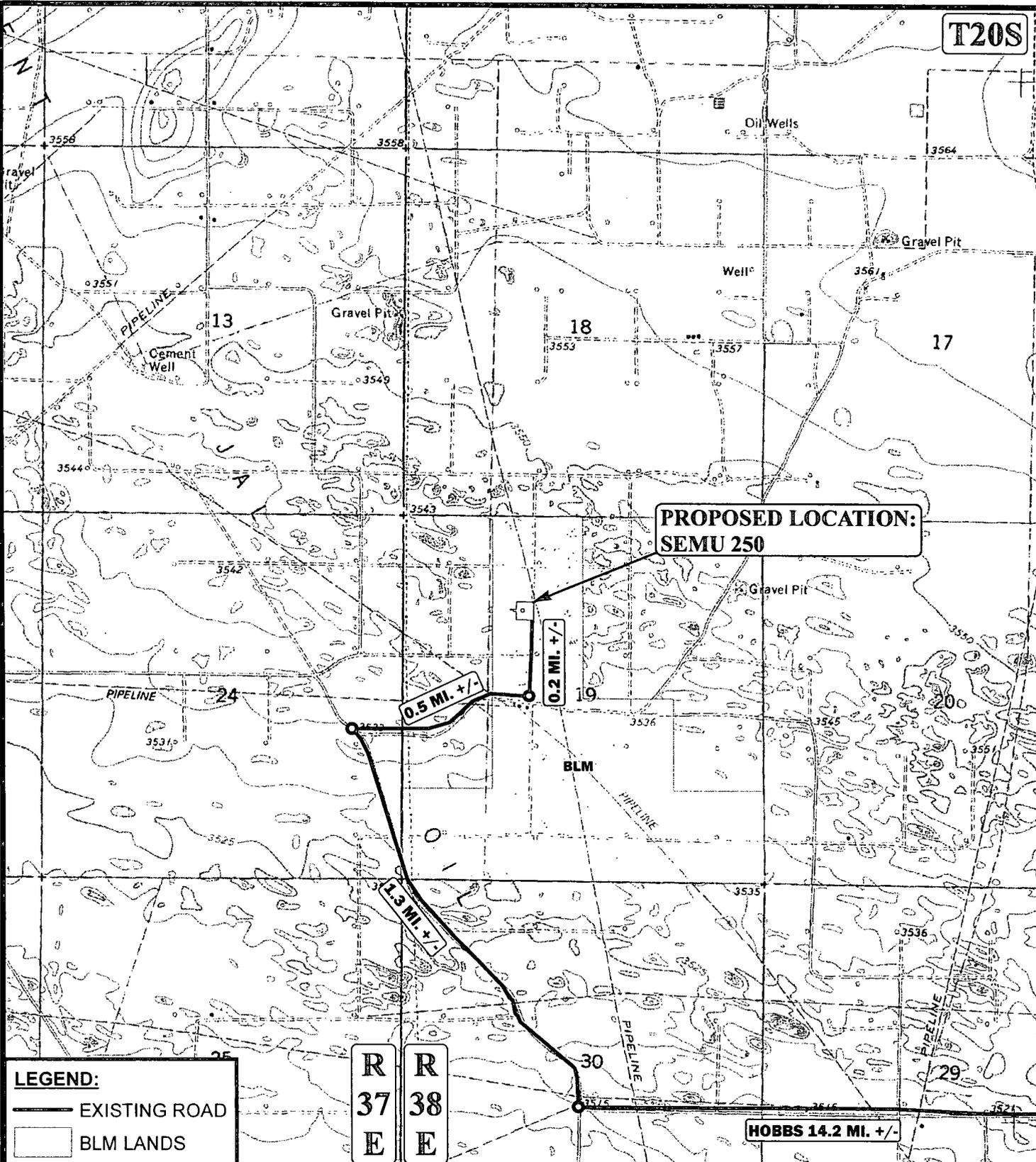
Casing Safety Factors – Additional ConocoPhillips Criteria:

ConocoPhillips casing design policy establishes Corporate Minimum Design Factors (see table below) and requires that service life load cases be considered and provided for in the casing design.

ConocoPhillips Corporate Criteria for Minimum Design Factors

	Burst	Collapse	Axial
Casing Design Factors	1.15	1.05	1.4

T20S



**PROPOSED LOCATION:
SEMU 250**

LEGEND:

-  EXISTING ROAD
-  BLM LANDS

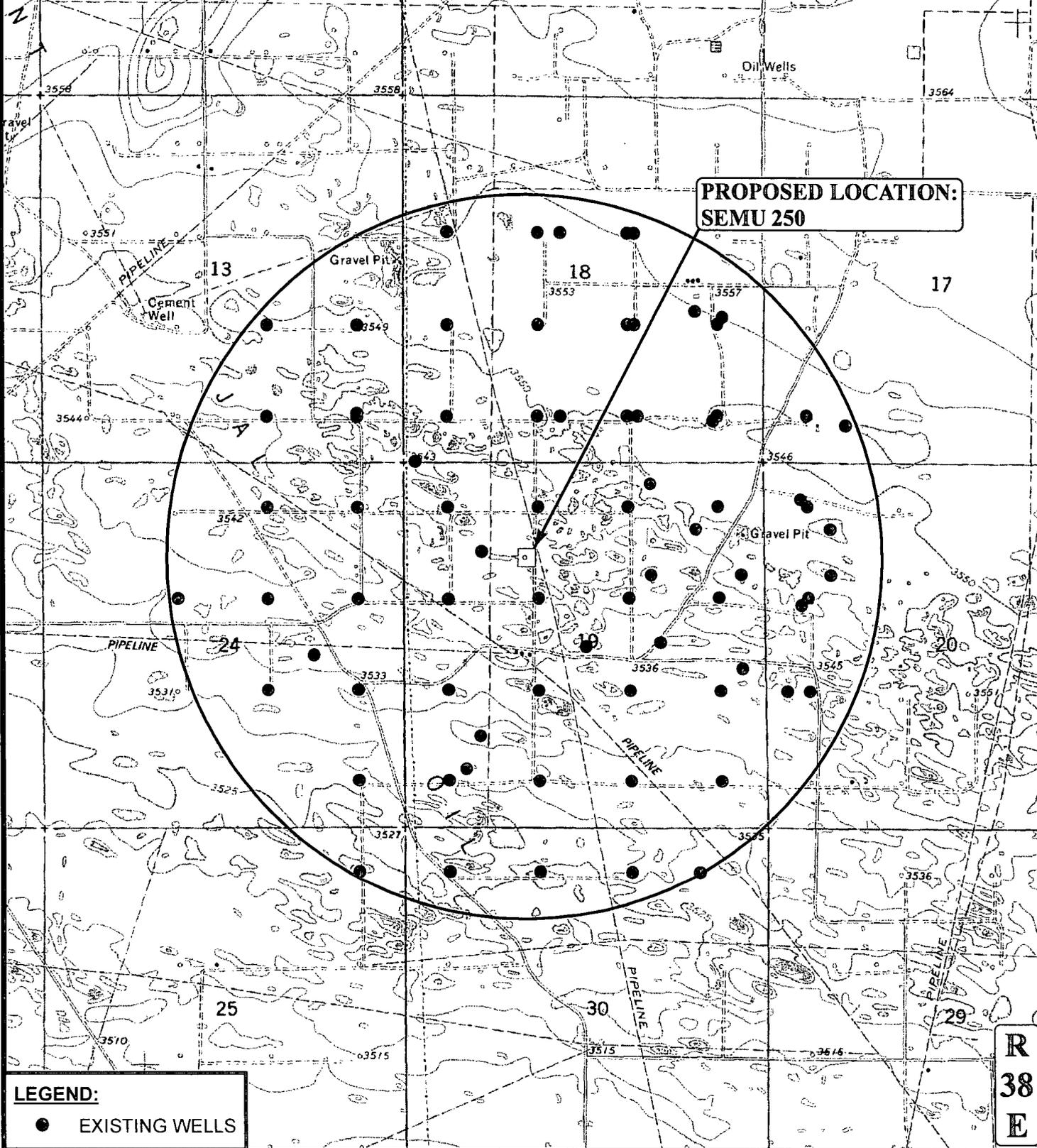
R	R
37	38
E	E

HOBBS 14.2 MI. +/-

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SCALE: 1" = 2000'	REVISED:			ConocoPhillips Company
DRAWN BY: J.L.H.				
DATE DRAWN: 09-11-13				
			SEMU 250 SECTION 19, T20S, R38E, N.M.P.M. 1371' FNL 1786' FWL	
Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017			ACCESS ROAD MAP	
			TOPO B	

T20S



PROPOSED LOCATION:
SEMU 250

LEGEND:

● EXISTING WELLS

R
38
E

SCALE: 1" = 2000'
 DRAWN BY: J.L.H.
 DATE DRAWN: 09-11-13

REVISED:



ConocoPhillips **ConocoPhillips Company**

SEMU 250
 SECTION 19, T20S, R38E, N.M.P.M.
 1371' FNL 1786' FWL

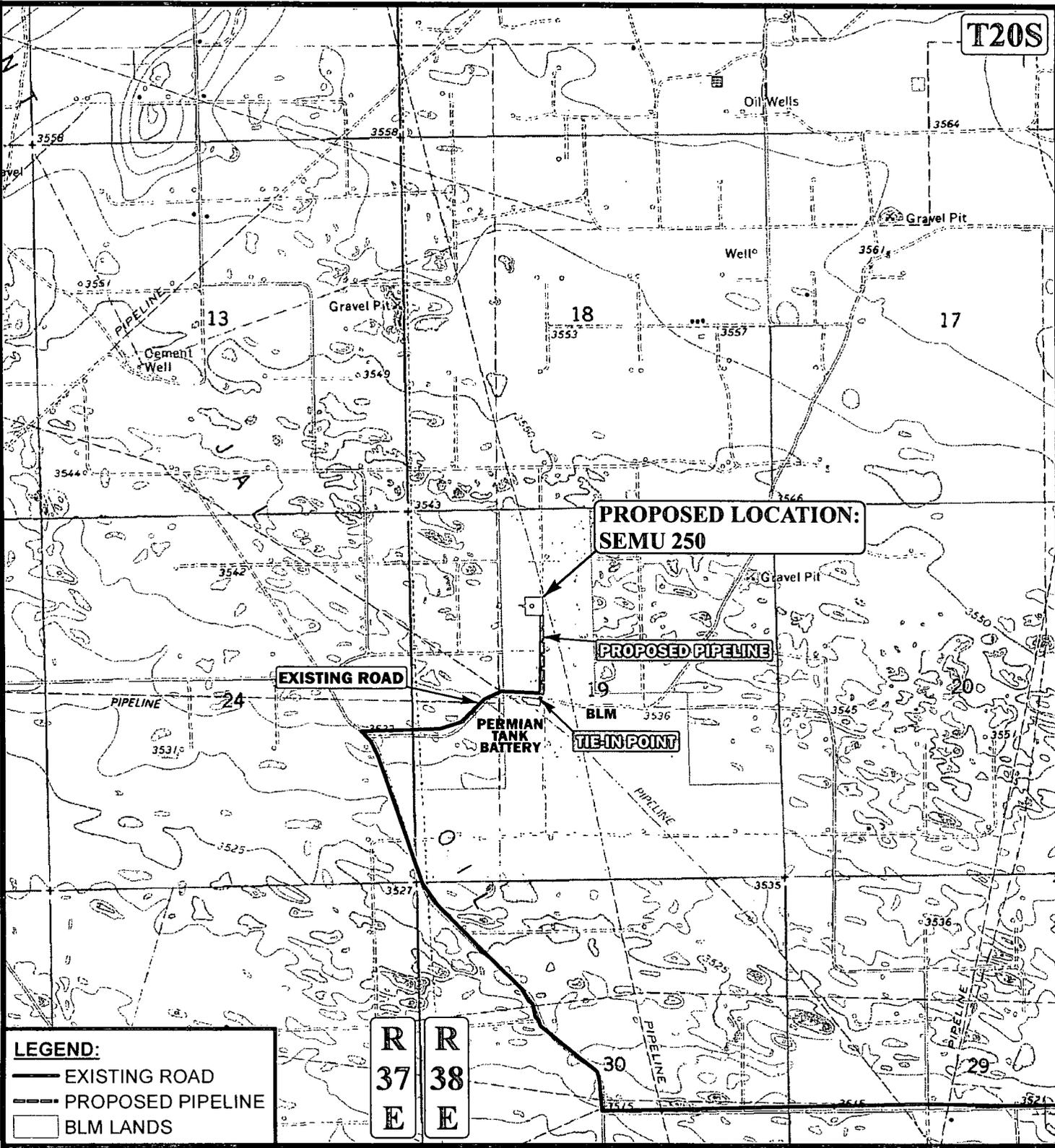


Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

TOPOGRAPHIC MAP

TOPO C

T20S



LEGEND:

-  EXISTING ROAD
-  PROPOSED PIPELINE
-  BLM LANDS

R	R
37	38
E	E

APPROXIMATE TOTAL PIPELINE DISTANCE 1,202' +/-

*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 & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'	REVISED:
DRAWN BY: J.L.H.	
DATE DRAWN: 09-11-13	



ConocoPhillips

ConocoPhillips Company

SEMU 250
SECTION 19, T20S, R38E, N.M.P.M.
1371' FNL 1786' FWL



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

PIPELINE MAP

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