

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Middle Mesa 4-20-30-25				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED				
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME MIDDLE MESA				
6. NAME OF OPERATOR PATARA OIL & GAS, LLC						7. OPERATOR PHONE 303 825-0685				
8. ADDRESS OF OPERATOR 600 17th Street Ste 1900S, Denver, CO, 80202						9. OPERATOR E-MAIL bdavis@pataraog.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) utu84218			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		5406 FNL 1225 FWL		SWNW	4	30.0 S	25.0 E	S		
Top of Uppermost Producing Zone		5425 FNL 856 FWL		SWNW	4	30.0 S	25.0 E	S		
At Total Depth		5546 FNL 155 FEL		SENE	5	30.0 S	25.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1225			23. NUMBER OF ACRES IN DRILLING UNIT 2019				
27. ELEVATION - GROUND LEVEL 6731			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3848			26. PROPOSED DEPTH MD: 6183 TVD: 5974				
28. BOND NUMBER UTB000428			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 05-6							
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 60	94.0	H-40 ST&C	0.0	Class G	50	1.37	13.2
SURF	11	8.625	0 - 2628	32.0	J-55 ST&C	8.7	35/65 Poz	343	2.81	12.5
							Type III	127	1.47	14.2
PROD	7.875	4.5	0 - 6183	11.6	N-80 LT&C	9.1	35/65 Poz	535	2.16	12.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Kimberly J. Rodell				TITLE Permit Agent			PHONE 303 820-4480			
SIGNATURE				DATE 06/01/2011			EMAIL kim@banko1.com			
API NUMBER ASSIGNED 43037500100000				APPROVAL  Permit Manager						

Patara Oil & Gas, LLC
Middle Mesa 4-20-30-25
 SHL: 5,406' FNL 1,225' FWL Lot 20
 Sec. 4 T30S R25E
 BHL: 5,546' FNL 155' FEL Lot 17
 Sec. 5 T30S R25E
 San Juan County, Utah
 Surface: Federal
 Federal Mineral Leases:
 SHL UTU84218
 BHL UTU84063

9 POINT DRILLING PROGRAM

Please contact Mr. Ryan Calhoun, Drilling Engineer, 303-563-5373, if there are any questions or concerns regarding this Drilling Program.

SURFACE ELEVATION: 6,731.4' (Un-graded ground elevation)

GEOLOGIC NAME OF SURFACE FORMATION: Burro Canyon

1. ESTIMATED FORMATION TOPS:
 Estimated KB: 6,748' (16.0')

Formation	Total Depth (TVD)	Subsea Depth
Burro Canyon	Surface	+6,748'
Morrison	96'	+6,652'
Entrada	790'	+5,958'
Navajo	1,053'	+5,695'
Kayenta	1,590'	+5,158'
Wingate	1,806'	+4,942'
Chinle	2,113'	+4,635'
Cutler	2,421'	+4,327'
Honaker Trail	4,102'	+2,646'
La Sal	5,498'	+1,250'
La Sal Shale	5,839'	+909'
Hatch	5,924'	+824'
TD	5,974'	+774'

2. ESTIMATED DEPTHS OF MINERAL BEARING -FORMATION:

Estimated depths at which water, oil, gas or other mineral-bearing formations are expected to be encountered:

Formation	Depth	Lithology	Oil Gas, Water
Honaker Trail	4,102'	Ls, Sh, SS	Gas
La Sal	5,498'	SS, S, Ls	Gas
La Sal Shale	5,839'	Sh, SS, Dol	Gas

Conductor

60' of 13-3/8", 94#/Ft, H-40, STC set in 17-1/2" hole (minimum 25' if surface boulders do not allow going deeper)

Cement to surface with redi-mix concrete.

Surface Casing

Fresh water sands to be cased off with 8-5/8", 32#/Ft, J-55, STC surface casing string set at 2,628' and cemented to surface.

Production Casing

All pay sections will be cased off with 4-1/2" casing. Top of Cement will be circulated into the surface casing to +/-2,000'. A corrosion/bactericide inhibitor will be placed in the mud system above the cement top to surface.

3. CASING and CEMENT PROGRAM:

Proposed Casing Program:

Purpose	Interval (MD)	Hole Size	Casing Size	Weight	Grade	Thread	Cond.
Conductor	0-60'	17-1/2"	13-3/8"	94 ppg	H-40	ST&C	New
Surface	0-2,628'	11"	8-5/8"	32 ppg	J-55	ST&C	New
Production	0-6,183'	7-7/8"	4-1/2"	11.6 ppg	N-80	LT&C	New

Proposed Cement Program:

Casing String	Amount and Type of Cement	Interval (MD)	% excess
Surface	Lead: ±343 sxs Type III 35/65 Poz 11.6 ppg (2.81 cuft/sk); Tail: ±127 sxs Type III 14.2 ppg (1.47 cuft/sk)	0'-2,628'	70%
Production	±535 sxs Type III 35/65 Poz 12.5 ppg (2.16 cuft/sk)	2,000' -6,183'	25%

Cement volumes are approximate. Actual volumes will be calculated from caliper log data. Cement additives – (Note: Some additives are Halliburton or BJ Services proprietary products. If another cement contractor is used, these blends and products may vary slightly).

Surface:	Lead:	65:35 Class “G” Poz w/ 5.00% Sodium Metasilicate 5.00% A-10 2.00% CaCl ₂ 0.5 gal/sx FP-13L 10.00 lbs/sx CSE-2 1.00 lb/sx Pheno Seal 2.00 lbs/sx Kol Seal 0.04 lbs/sx Static Free <u>0.25 lbs/sx Cello Flake</u>
	Tail:	Type III w/ 1.00% CaCl ₂ 3.00% KCL <u>0.04 lbs/sx Static Free</u>
Production:	Lead:	65:35 Class “G” Poz w/ 6.00% Bentonite II 3.00% KCL 0.30% R-3(Retarder) 0.5 gal/sx FP-13L 0.50% Sodium Metasilicate 0.30% BA-59 0.30% FL-63 3.00 lbs/sx Kol Seal 10.00 lbs/sx CSE-2 0.04 lbs/sx Static Free. <u>0.25 lbs/sx Cello Flake</u>

4. OPERATORS MINIMUM SPECIFICATION FOR BOPE:

BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing (subsequent pressure test will be performed whenever pressure seals are broken), and then will be checked daily as to mechanical operating condition. BOP's will be pressure tested at least once every 30 days. Ram type preventors and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly if a test plug is used. If a plug is not used, the stack assembly will be tested to the rated working pressure of the stack assembly or to 70% of the minimum internal yield of the casing, whichever is less. Annular type preventors will be pressure tested to 50% of their rated working pressure. All casing strings will be pressure tested to 0.22 psi/ft. or 1,500 psi, whichever is greater, not to exceed 70% of internal yield. A manual locking device (i.e. hand wheels) or automatic locking devices shall be installed on the BOP stack. Remote controls capable of both opening and closing all preventors shall be readily accessible to the driller.

The choke manifold and accumulator will meet or exceed Onshore Order No. 2 (OSO #2) standards. The BOP equipment will be tested after any repairs to the equipment. Pipe rams, blind rams and the annular preventor will be activated on each trip, and weekly BOP drills will be held with each crew. All tests, maintenance, and BOP drill information will be entered on rig “tower” sheet.

5. DRILLING FLUIDS:

Proposed Mud Program:

Interval	Type	Mud Weight	Viscosity	Fluid Loss
0'-2,628'	Water / Native	8.4-8.7 ppg	26-40 Sec.	No Control
2,628'-T.D.'	LSND	8.8-9.1 ppg	+/- 50	+/- 8

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Higher mud weights may need to be utilized for trip margin and to add hole stability for salt and shale intervals where hole sloughing may occur.

There will be approximately 850 bbl of mud in reserve.
The mud system will be run utilizing a closed loop system.

Mud Products	Quantity on Location
Bentonite	1200 sx
Barite	1000 sx
Caustic Soda	100 sx
Lignite	125 sx
Drispac	110 sx
LCM	1200 sx

6. AUXILIARY EQUIPMENT:

PVT equipment measuring mud volume, pump strokes and percent return flow to be installed after setting surface casing and installing BOPE. This system includes alarms and remote terminals located on the rig floor.

- A) Mud logger with gas monitor – BSC to TD.
- B) Choke manifold with remote control choke.
- C) Full opening floor valve with drill pipe thread.
- D) Upper and lower kelly cock
- E) Desander
- F) Desilter
- G) PVT monitor on pit level, audio and visual below surface casing.
- H) Gas Buster and closed loop mud system

7. LOGGING, TESTING, and CORING PROGRAMS:

Logs	Interval
Platform Express with AIT/GR/SP & CNL/LDT/GR/Cal	TD' – BSC GR TO SURFACE

Testing: No DST are anticipated or planned.

Coring Program: None planned. Sidewall cores may be taken in zones of interest.

Stimulation Program: Evaluate open hole logs to determine interval to perforate. Perforate selected

intervals of the Honaker Trail & La Sal Fms.

Completion plans are to drill, log, case, and perforate prior to stimulation. The zones normally require fracture stimulation upon completion. Fracture stimulation design is pending results of formation height, permeability and porosity. Design to be performed after initial logging results and pressure transient data is acquired.

Plan to perforate with casing guns and frac down 4-1/2" casing with gelled water and proppant.

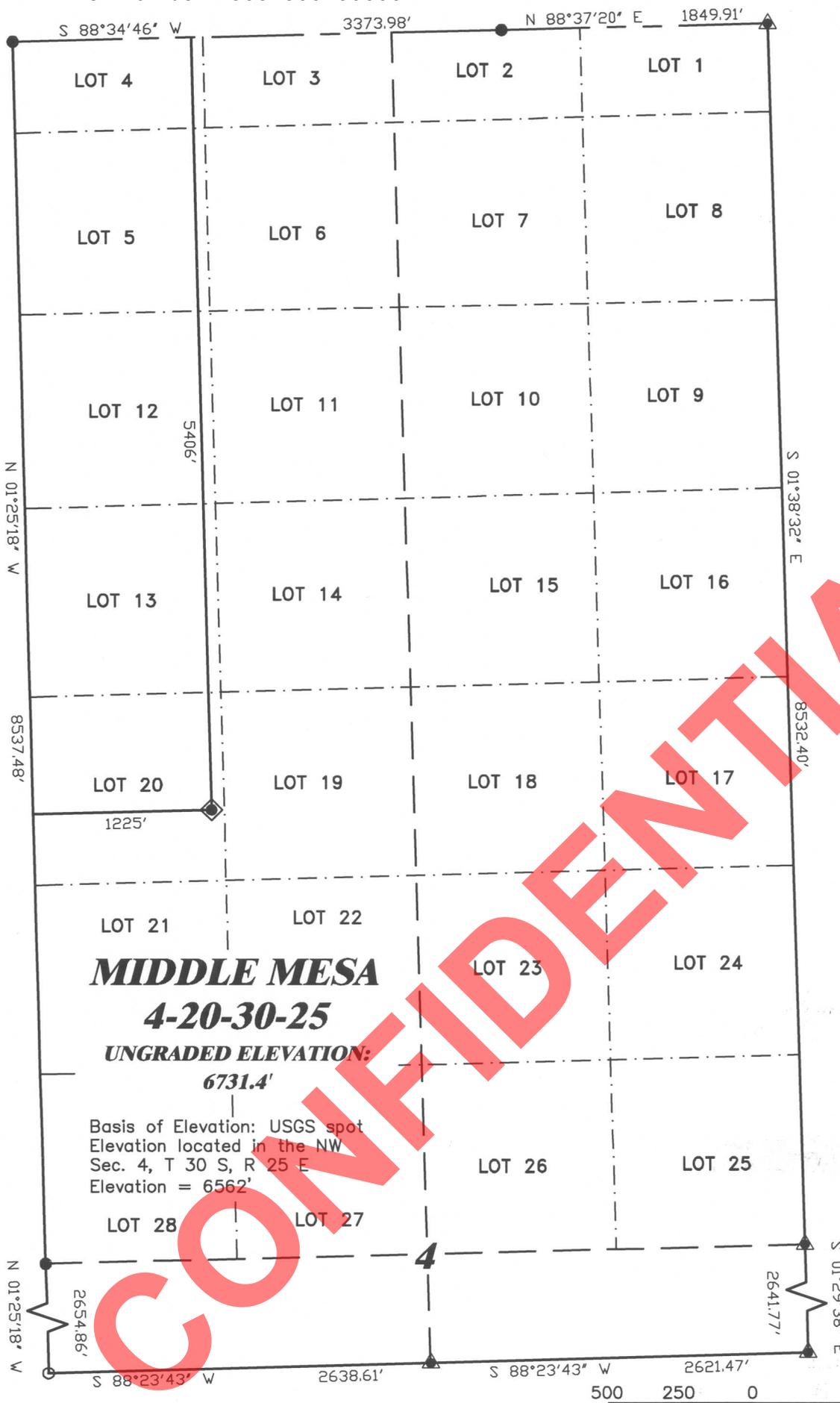
8. ABNORMAL PRESSURE, TEMPERATURE, POTENTIAL HAZARDS:

The maximum anticipated bottomhole pressure is 2,629 psi (0.44 psi/ft) and will be controlled with mud weight and BOP equipment. No hydrogen sulfide gas or other potential hazards are anticipated. The fracture gradient is anticipated to be 0.85 – 0.90 psi/ft.

9. ANTICIPATED AGENDA:

The operation is expected to commence soon after a permit is issued, subject to rig availability. Drilling operations will last about 30 days. If data indicate that this is a commercial well the production casing will be run. Approval for further action will be requested on a Sundry Notice.

CONFIDENTIAL



SCALE 1" = 1000'

**T. 30 S.
R. 25 E.**

LATITUDE (NAD 83)
NORTH 38.215438 DEG.
LONGITUDE (NAD 83)
WEST 109.188471 DEG.

LATITUDE (NAD 27)
NORTH 38.215449 DEG.
LONGITUDE (NAD 27)
WEST 109.187806 DEG.

NORTHING
572151.83
EASTING
2664271.69

DATUM
SPCS UT SOUTH (NAD 27)

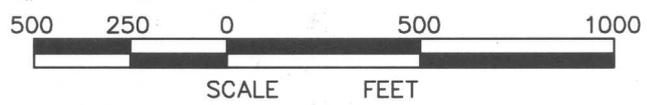
**MIDDLE MESA
4-20-30-25**

UNGRADED ELEVATION:
6731.4'

Basis of Elevation: USGS spot
Elevation located in the NW
Sec. 4, T 30 S, R 25 E
Elevation = 6562'

LOT 28 LOT 27

4

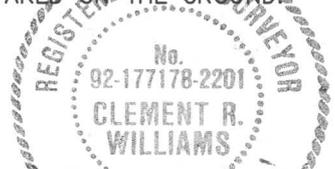


SURVEYOR'S STATEMENT

I, CLEMENT R. WILLIAMS, OF ROCK SPRINGS, WYOMING, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON APRIL 23, 2008, AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF MIDDLE MESA 4-20-30-25 AS STAKED ON THE GROUND.

LEGEND

- ◆ WELL LOCATION
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT
- CALCULATED CORNER



Clement R. Williams
UTAH PLS. No. 177178-2201

5/19/11

DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
DRAWN: 4/30/08 - KDA	SCALE: 1" = 1000'
REVISED: 5/16/11 - TCM	DRG JOB No. 15794
REVISED TITLEBLOCK	EXHIBIT 1

PLAT OF DRILLING LOCATION
FOR
PATARA OIL & GAS, LLC.
5406' F/NL & 1225' F/WL, SECTION 4,
T. 30 S., R. 25 E., SALT LAKE B.M.
SAN JUAN COUNTY, UTAH



SCALE 1" = 1000'

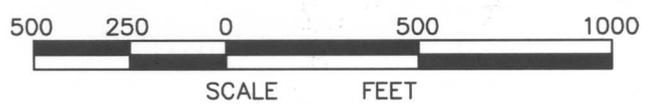
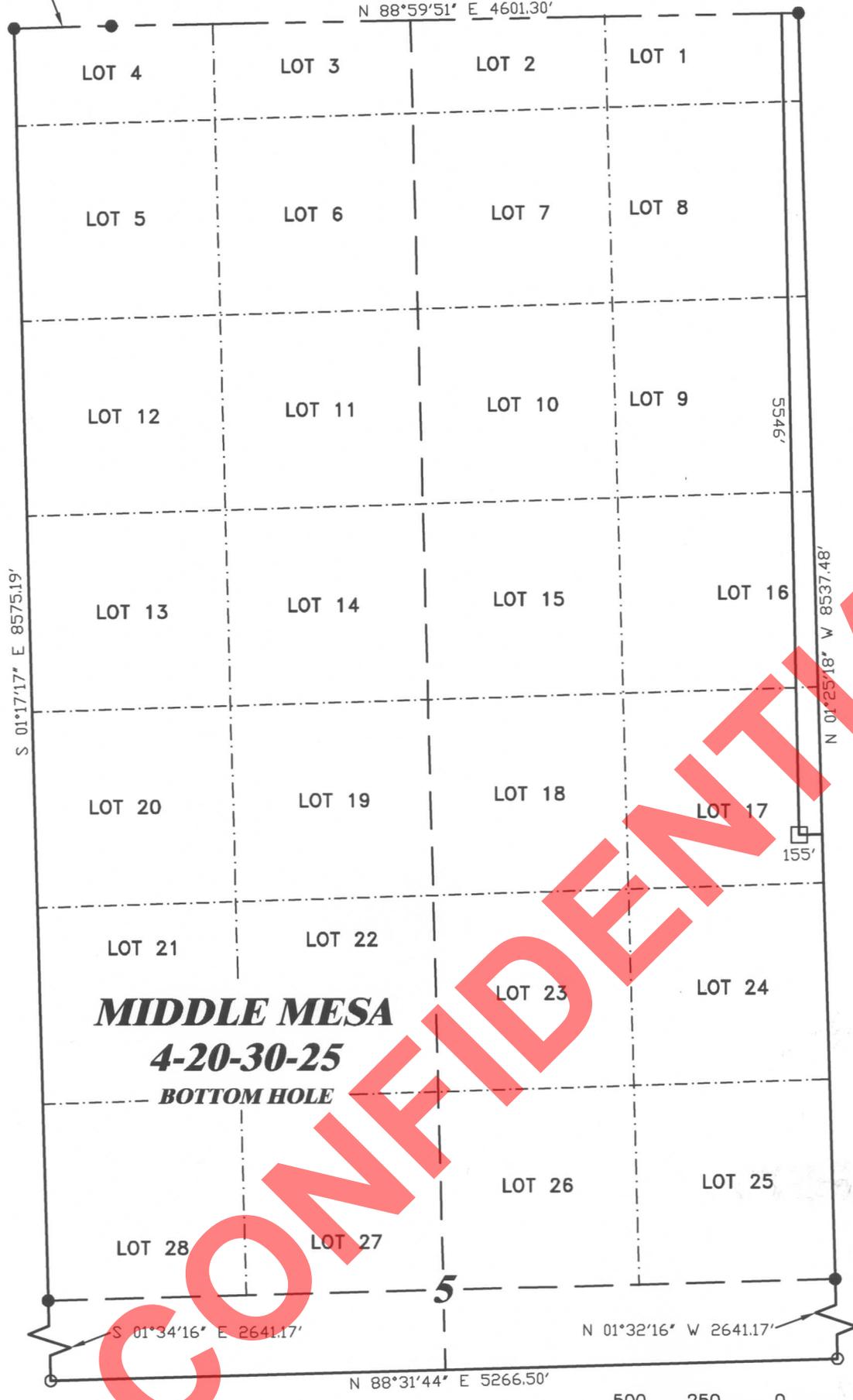
**T. 30 S.
R. 25 E.**

LATITUDE (NAD 83)
NORTH 38.215111 DEG.
LONGITUDE (NAD 83)
WEST 109.193275 DEG.

LATITUDE (NAD 27)
NORTH 38.215119 DEG.
LONGITUDE (NAD 27)
WEST 109.192610 DEG.

NORTHING
571997.68
EASTING
2662894.67

DATUM
SPCS UT SOUTH (NAD 27)

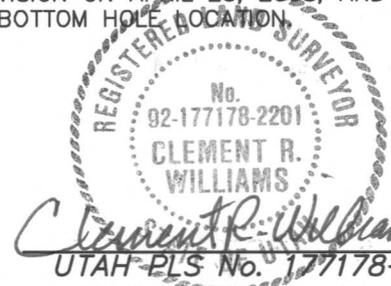


SURVEYOR'S STATEMENT

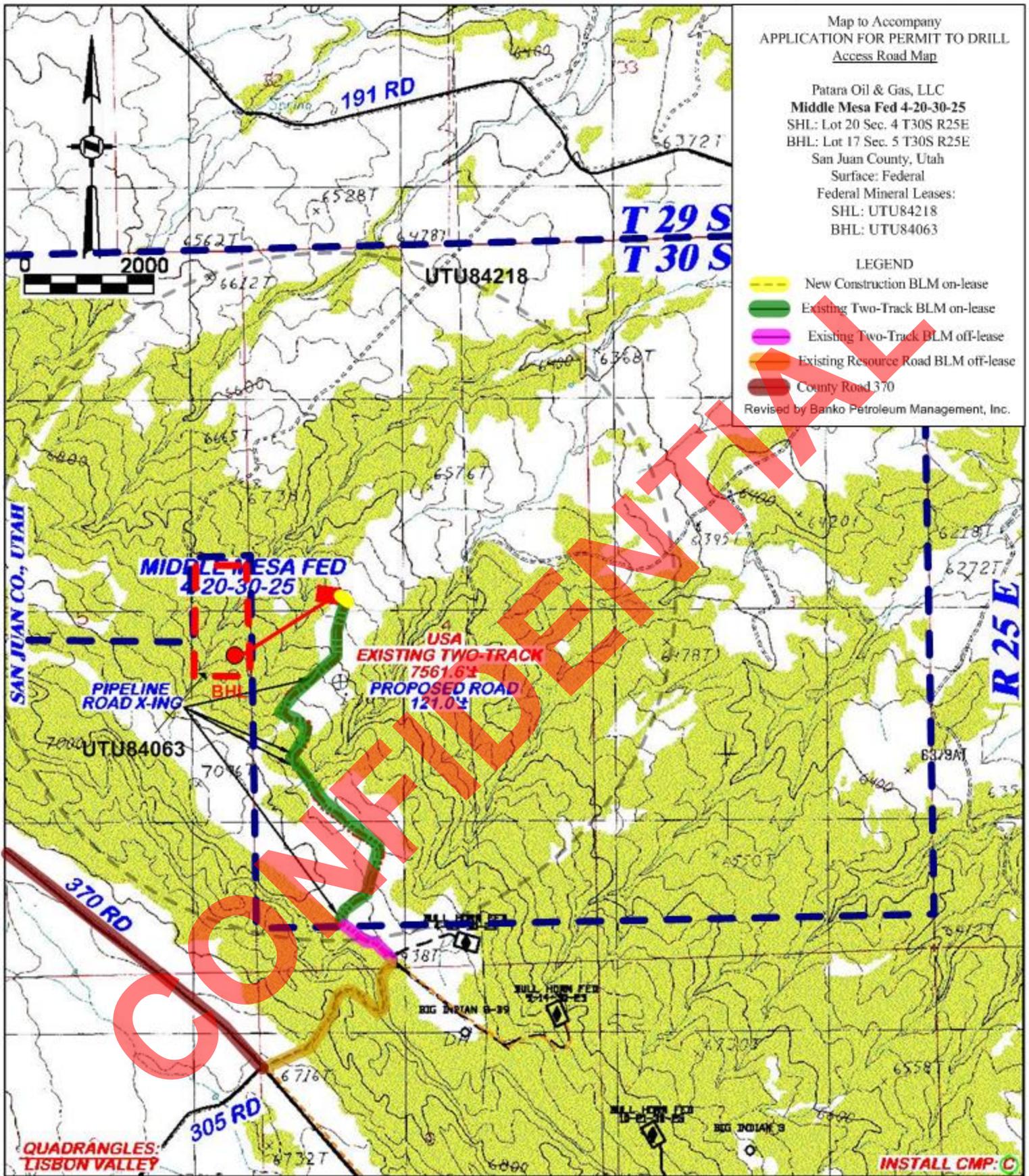
I, CLEMENT R. WILLIAMS, OF ROCK SPRINGS, WYOMING, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON APRIL 23, 2008, AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF MIDDLE MESA 4-20-30-25 BOTTOM HOLE LOCATION.

LEGEND

- ◆ WELL LOCATION
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT
- CALCULATED CORNER



<p>DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>PLAT OF BOTTOM HOLE LOCATION FOR PATARA OIL & GAS, LLC.</p>
<p>DRAWN: 5/16/11 - TCM</p>	<p>SCALE: 1" = 1000'</p>	
<p>REVISED:</p>	<p>DRG JOB No. 15794</p>	
<p>N/A</p>	<p>EXHIBIT 1</p>	



Map to Accompany
APPLICATION FOR PERMIT TO DRILL
Access Road Map

Patara Oil & Gas, LLC
Middle Mesa Fed 4-20-30-25
SHL: Lot 20 Sec. 4 T30S R25E
BHL: Lot 17 Sec. 5 T30S R25E
San Juan County, Utah
Surface: Federal
Federal Mineral Leases:
SHL: UTU84218
BHL: UTU84063

LEGEND

- New Construction BLM on-lease
- Existing Two-Track BLM on-lease
- Existing Two-Track BLM off-lease
- Existing Resource Road BLM off-lease
- County Road 370

Revised by Banko Petroleum Management, Inc.

MIDDLE MESA FED
4-20-30-25

USA
EXISTING TWO-TRACK
7561.6±
PROPOSED ROAD
121.0±

PIPELINE
ROAD X-ING

BHL

UTU84063

QUADRANGLES:
LISBON VALLEY

INSTALL CMP: C

DRG RIFFIN & ASSOCIATES, INC.
(307) 362-5026 1414 ELK ST., ROCK SPRINGS, WY 82901

**PROPOSED ACCESS ROAD FOR
PATARA OIL & GAS, LLC.
MIDDLE MESA FED 4-20-30-25**

TOTAL PROPOSED LENGTH: 7682.6'

DRAWN: 4/30/08 - KDA

SCALE: 1"=2000'

REVISED: 5/16/11 - TCM

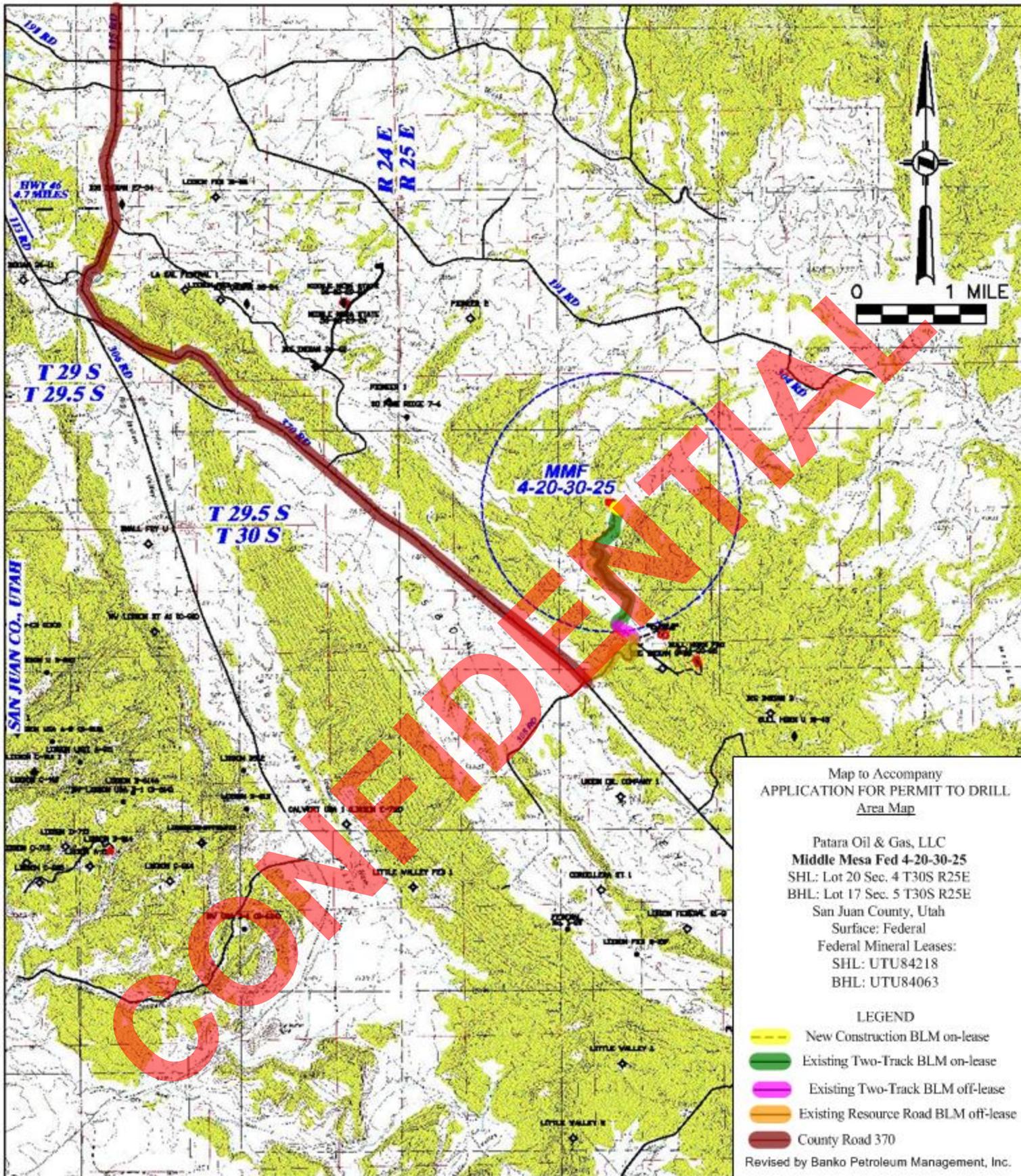
DRG JOB No. 15794

REVISED TITLEBLOCK

EXHIBIT 4

EXISTING 2 TRACK - - - - -
PROPOSED ROAD - - - - -

**TOPO MAP
B**



Map to Accompany
APPLICATION FOR PERMIT TO DRILL
Area Map

Patara Oil & Gas, LLC
Middle Mesa Fed 4-20-30-25
SHL: Lot 20 Sec. 4 T30S R25E
BHL: Lot 17 Sec. 5 T30S R25E
San Juan County, Utah
Surface: Federal
Federal Mineral Leases:
SHL: UTU84218
BHL: UTU84063

LEGEND

- New Construction BLM on-lease
- Existing Two-Track BLM on-lease
- Existing Two-Track BLM off-lease
- Existing Resource Road BLM off-lease
- County Road 370

Revised by Banko Petroleum Management, Inc.

DRG RIFFIN & ASSOCIATES, INC.
(307) 362-5026 1414 ELK ST., ROCK SPRINGS, WY 82901

**PROPOSED ACCESS FOR
PATARA OIL & GAS, LLC.
MIDDLE MESA FED 4-20-30-25**

DRAWN: 4/30/08 - KDA

SCALE: 1" = 1 MILE

REVISED: 5/16/11 - TCM

DRG JOB No. 15794

REVISED TITLEBLOCK

EXHIBIT 5

EXISTING ROAD -----
PROPOSED ACCESS -----

**TOPO
A**

Patara Oil & Gas, LLC

San Juan County, UT
Section 4 T30S-R25E
Middle Mesa 4-20-30-25
Wellbore #1

Plan: Preliminary Plan for APD 04/29/11

Standard Planning Report

29 April, 2011

CONFIDENTIAL



	X	Y	E/W	N/S	
SHL	940,707.92	584,852.13			6731.4 GL
Honaker Trail	940,339.00	584,833.00	-368.92	-19.13	3985 TVD
LaSal	939,558.00	584,755.00	-1,149.92	-97.13	5425 TVD
TD					5850 TVD

NAD 27, Colorado South Projection, Grid North

SHL – X:940707.92, Y: 584852.13, Surface Elevation: 6731.4'

Target 1 (Top Honaker Trail) – X: 940339, Y: 584833, Z: 3985' TVD

Target 2 (LaSal) – X: 939558, Y: 584755, Z: 5425' TVD

PTD: 5850' TVD

CONFIDENTIAL

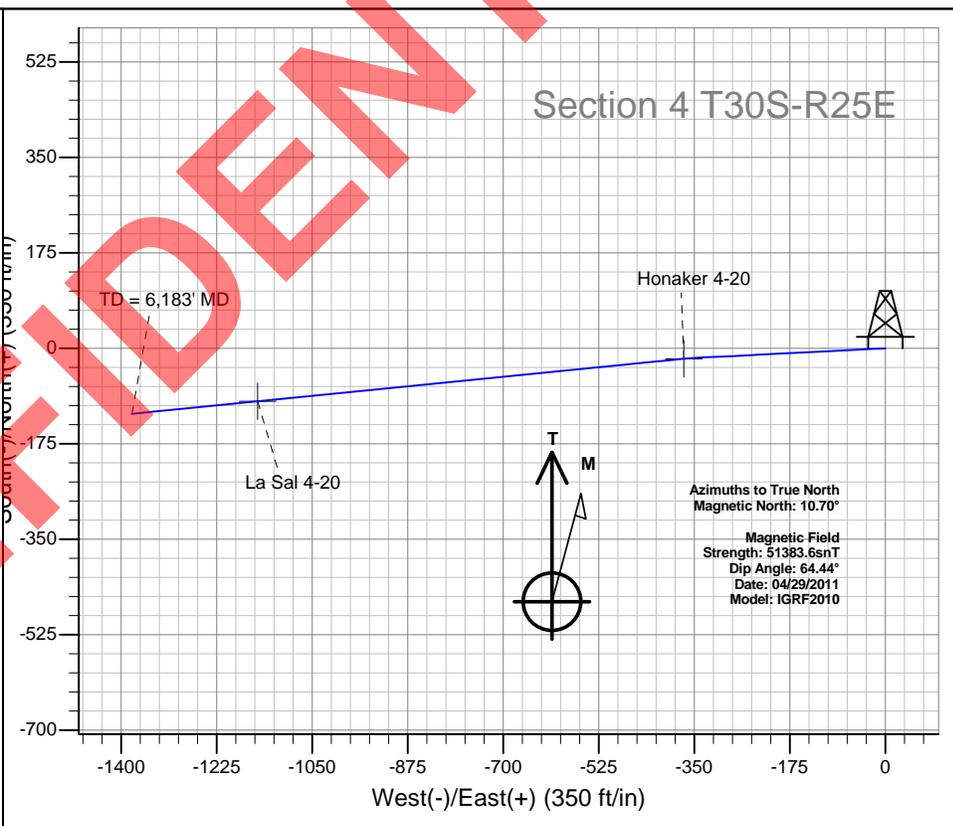
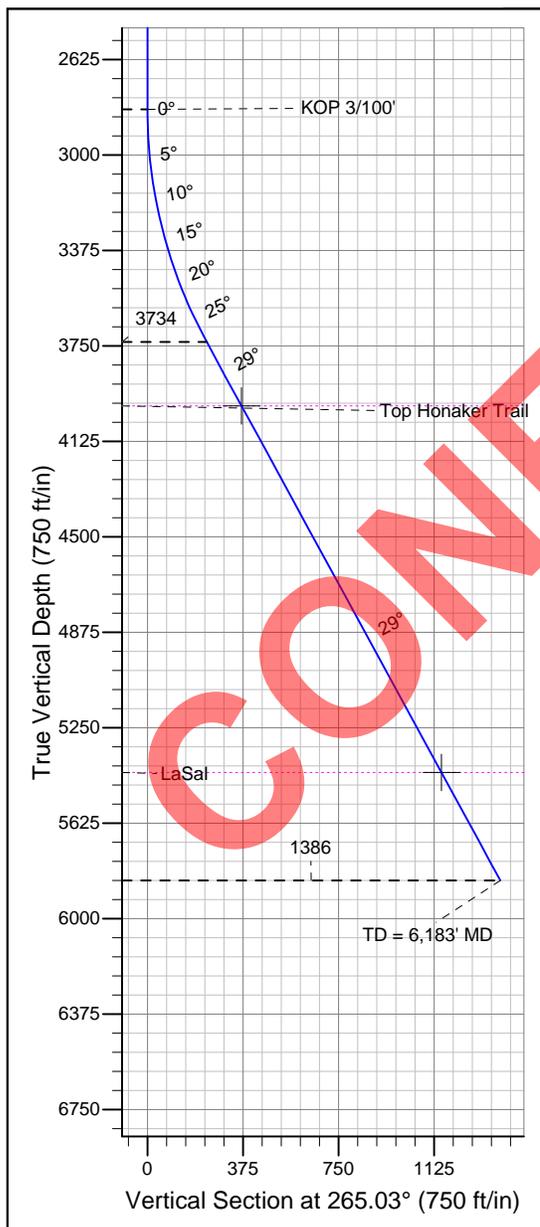
Patara Oil & Gas, LLC
Middle Mesa 4-20-30-25
San Juan County, UT



Geodetic System: US State Plane 1927 (Exact solution)
Zone: Utah South 4303
WELL @ 6731.4ft (Original Well Elev)
Ground Level: 6731.4'
Latitude: 38° 12' 55.616 N
Longitude: 109° 11' 16.102 W
Magnetic North is 10.70° East of True North (Magnetic Declination)

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2820.5	0.00	0.00	2820.5	0.0	0.0	0.00	0.00	0.0		
3773.5	28.59	267.11	3734.4	-11.7	-232.6	3.00	267.11	232.7		
4013.9	28.59	267.11	3945.5	-17.5	-347.5	0.00	0.00	347.7		
4058.9	28.59	264.30	3985.0	-19.1	-368.9	3.00	-91.10	369.2	Honaker 4-20	
5698.9	28.59	264.30	5425.0	-97.1	-1149.9	0.00	0.00	1154.0	La Sal 4-20	
76182.9	28.59	264.30	5850.0	-120.2	-1380.4	0.00	0.00	1385.6		

WELLBORE TARGET DETAILS (LAT/LONG)							
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape	
Honaker 4-20	3985.0	-19.1	-368.9	38° 12' 55.427 N	109° 11' 20.724 W	Point	
La Sal 4-20	5425.0	-97.1	-1149.9	38° 12' 54.656 N	109° 11' 30.510 W	Point	



Plan: Preliminary Plan for APD 04/29/11 (Middle Mesa 4-20-30-25/Wellbore #1)

Created By: Mike Kirby Date: 14:35, April 29 2011

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

Crescent Directional Drilling, IP

Planning Report



Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Middle Mesa 4-20-30-25
Company:	Patara Oil & Gas, LLC	TVD Reference:	WELL @ 6731.4ft (Original Well Elev)
Project:	San Juan County, UT	MD Reference:	WELL @ 6731.4ft (Original Well Elev)
Site:	Section 4 T30S-R25E	North Reference:	True
Well:	Middle Mesa 4-20-30-25	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Preliminary Plan for APD 04/29/11		

Project	San Juan County, UT		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah South 4303		

Site	Section 4 T30S-R25E				
Site Position:		Northing:	572,151.92ft	Latitude:	38° 12' 55.616 N
From:	Lat/Long	Easting:	2,664,271.70ft	Longitude:	109° 11' 16.102 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	1.42 °

Well	Middle Mesa 4-20-30-25					
Well Position	+N/-S	0.0 ft	Northing:	572,151.92 ft	Latitude:	38° 12' 55.616 N
	+E/-W	0.0 ft	Easting:	2,664,271.70 ft	Longitude:	109° 11' 16.102 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/29/11	10.70	64.44	51,384

Design	Preliminary Plan for APD 04/29/11				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	265.03	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,820.5	0.00	0.00	2,820.5	0.0	0.0	0.00	0.00	0.00	0.00	
3,773.5	28.59	267.11	3,734.4	-11.7	-232.6	3.00	3.00	0.00	267.11	
4,013.9	28.59	267.11	3,945.5	-17.5	-347.5	0.00	0.00	0.00	0.00	
4,058.9	28.59	264.30	3,985.0	-19.1	-368.9	3.00	0.01	-6.27	-91.10	Honaker 4-20
5,698.9	28.59	264.30	5,425.0	-97.1	-1,149.9	0.00	0.00	0.00	0.00	La Sal 4-20
6,182.9	28.59	264.30	5,850.0	-120.2	-1,380.4	0.00	0.00	0.00	0.00	

Crescent Directional Drilling, IP
Planning Report



Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Middle Mesa 4-20-30-25
Company:	Patara Oil & Gas, LLC	TVD Reference:	WELL @ 6731.4ft (Original Well Elev)
Project:	San Juan County, UT	MD Reference:	WELL @ 6731.4ft (Original Well Elev)
Site:	Section 4 T30S-R25E	North Reference:	True
Well:	Middle Mesa 4-20-30-25	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Preliminary Plan for APD 04/29/11		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,820.5	0.00	0.00	2,820.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP 3/100'									
2,900.0	2.39	267.11	2,900.0	-0.1	-1.7	1.7	3.00	3.00	0.00
3,000.0	5.39	267.11	2,999.7	-0.4	-8.4	8.4	3.00	3.00	0.00
3,100.0	8.39	267.11	3,099.0	-1.0	-20.4	20.4	3.00	3.00	0.00
3,200.0	11.39	267.11	3,197.5	-1.9	-37.5	37.6	3.00	3.00	0.00
3,300.0	14.39	267.11	3,295.0	-3.0	-59.8	59.8	3.00	3.00	0.00
3,400.0	17.39	267.11	3,391.1	-4.4	-87.1	87.2	3.00	3.00	0.00
3,500.0	20.39	267.11	3,485.8	-6.0	-119.5	119.5	3.00	3.00	0.00
3,600.0	23.39	267.11	3,578.5	-7.9	-156.7	156.8	3.00	3.00	0.00
3,700.0	26.39	267.11	3,669.2	-10.0	-198.7	198.8	3.00	3.00	0.00
3,773.5	28.59	267.11	3,734.4	-11.7	-232.6	232.7	3.00	3.00	0.00
EOB Hole 28.59									
3,800.0	28.59	267.11	3,757.7	-12.4	-245.2	245.4	0.00	0.00	0.00
3,900.0	28.59	267.11	3,845.5	-14.8	-293.0	293.2	0.00	0.00	0.00
4,000.0	28.59	267.11	3,933.3	-17.2	-340.8	341.0	0.00	0.00	0.00
4,013.9	28.59	267.11	3,945.5	-17.5	-347.5	347.7	0.00	0.00	0.00
4,058.9	28.59	264.30	3,985.0	-19.1	-368.9	369.2	3.00	0.01	-6.27
Top Honaker Trail - Honaker 4-20									
4,100.0	28.59	264.30	4,021.1	-21.1	-388.5	388.9	0.00	0.00	0.00
4,200.0	28.59	264.30	4,108.9	-25.8	-436.1	436.7	0.00	0.00	0.00
4,300.0	28.59	264.30	4,196.7	-30.6	-483.8	484.6	0.00	0.00	0.00
4,400.0	28.59	264.30	4,284.5	-35.4	-531.4	532.4	0.00	0.00	0.00
4,500.0	28.59	264.30	4,372.3	-40.1	-579.0	580.3	0.00	0.00	0.00

Crescent Directional Drilling, IP
Planning Report



Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Middle Mesa 4-20-30-25
Company:	Patara Oil & Gas, LLC	TVD Reference:	WELL @ 6731.4ft (Original Well Elev)
Project:	San Juan County, UT	MD Reference:	WELL @ 6731.4ft (Original Well Elev)
Site:	Section 4 T30S-R25E	North Reference:	True
Well:	Middle Mesa 4-20-30-25	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Preliminary Plan for APD 04/29/11		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.0	28.59	264.30	4,460.2	-44.9	-626.6	628.2	0.00	0.00	0.00
4,700.0	28.59	264.30	4,548.0	-49.6	-674.2	676.0	0.00	0.00	0.00
4,800.0	28.59	264.30	4,635.8	-54.4	-721.9	723.9	0.00	0.00	0.00
4,900.0	28.59	264.30	4,723.6	-59.1	-769.5	771.7	0.00	0.00	0.00
5,000.0	28.59	264.30	4,811.4	-63.9	-817.1	819.6	0.00	0.00	0.00
5,100.0	28.59	264.30	4,899.2	-68.6	-864.7	867.4	0.00	0.00	0.00
5,200.0	28.59	264.30	4,987.0	-73.4	-912.4	915.3	0.00	0.00	0.00
5,300.0	28.59	264.30	5,074.8	-78.2	-960.0	963.1	0.00	0.00	0.00
5,400.0	28.59	264.30	5,162.6	-82.9	-1,007.6	1,011.0	0.00	0.00	0.00
5,500.0	28.59	264.30	5,250.4	-87.7	-1,055.2	1,058.8	0.00	0.00	0.00
5,600.0	28.59	264.30	5,338.2	-92.4	-1,102.8	1,106.7	0.00	0.00	0.00
5,698.9	28.59	264.30	5,425.0	-97.1	-1,149.9	1,154.0	0.00	0.00	0.00
LaSal - La Sal 4-20									
5,700.0	28.59	264.30	5,426.0	-97.2	-1,150.5	1,154.6	0.00	0.00	0.00
5,800.0	28.59	264.30	5,513.8	-101.9	-1,198.1	1,202.4	0.00	0.00	0.00
5,900.0	28.59	264.30	5,601.6	-106.7	-1,245.7	1,250.3	0.00	0.00	0.00
6,000.0	28.59	264.30	5,689.4	-111.5	-1,293.3	1,298.1	0.00	0.00	0.00
6,100.0	28.59	264.30	5,777.2	-116.2	-1,340.9	1,346.0	0.00	0.00	0.00
6,182.8	28.59	264.30	5,849.9	-120.1	-1,380.4	1,385.6	0.00	0.00	0.00
TD = 6,183' MD									
6,182.9	28.59	264.30	5,850.0	-120.2	-1,380.4	1,385.6	0.00	0.00	0.00

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
La Sal 4-20 - hit/miss target - Shape - Point	0.00	0.00	5,425.0	-97.1	-1,149.9	572,026.39	2,663,124.54	38° 12' 54.656 N	109° 11' 30.510 W
Honaker 4-20 - plan hits target center - Point	0.00	0.00	3,985.0	-19.1	-368.9	572,123.67	2,663,903.37	38° 12' 55.427 N	109° 11' 20.724 W

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,698.9	5,425.0	LaSal		0.00	
4,058.9	3,985.0	Top Honaker Trail		0.00	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
2,820.5	2,820.5	0.0	0.0	KOP 3/100'
3,773.5	3,734.4	-11.7	-232.6	EOB Hole 28.59
6,182.8	5,849.9	-120.1	-1,380.4	TD = 6,183' MD

ONSHORE ORDER No. 1
 EnCana Oil & Gas (USA) Inc.
 Middle Mesa Fed 4-20-30-25
 Lot 20 Section 4, T30S-R25E
 San Juan County, Utah

Surface Use Plan

Lease No. ~~U-16576~~ *LMU84218*

ONSHORE OIL & GAS ORDER NO. 1
Twelve Point Surface Use Plan of Operations

The onsite inspection for the subject location was conducted on June 11, 2008. In attendance at the onsite inspection were the following individuals:

<u>Name</u>	<u>Position</u>	<u>Organization</u>
Ben Kniola	Natural Resource Specialist	Bureau of Land Management
Jevin Croteau	Regulatory Analyst	EnCana Oil & Gas (USA) Inc.
Ron Krist	Construction Supervisor	EnCana
Theresa Garcia	EHS Technician	EnCana
Danny White	Post-construction	EnCana
Carol S. DeFrancia	Archaeologist	4-Corners Archaeological Svs.
Ron Rennke	Surveyor	D.R. Griffin & Assoc., Inc.
George Sanders	Construction	Ebberts Construction

1. EXISTING ROADS

- a. The proposed well site is located approximately 7.1 miles Southeast of La Sal, Utah.
- b. Directions from La Sal Junction, Utah are as follows:

From La Sal Junction, US Highway 191 and State Highway 46, travel east on State Highway 46 for approximately 6.6 miles. Turn right on Lisbon Road travel south southeast for approximately 10.5 miles. Turn left on an existing Road; travel northeast approximately 0.7 mile to an existing two-track road. Turn left and travel northwest for approximately 1.4 miles feet to the proposed access road. Turn left and travel 121' feet to the proposed location.
- c. EnCana will obtain any permits needed from the San Juan County Road Department before any construction activities begin.
- d. Existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well as per the road use agreement.
- e. Dust control measures will be implemented during dry weather when necessary. These may include mag chloride or other palliative.

2. PLANNED ACCESS ROADS

- a. For access roads, refer to Topo Maps A and B.
- b. There will be approximately 121' feet of new access road to be constructed and approximately 7562' of existing two-track road re-construction.
- c. Some improvement to the existing road may be necessary.
- d. The new access will be constructed initially for drilling purposes to a maximum width of 25 feet and the maximum travel surface of 16 feet. If production is established the maximum total disturbed width will be 40 feet and the maximum travel surface width will be 25 feet.
- e. The maximum grade of the new access road will be 2%.

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Surface Use Plan

Lease No. ~~U-16576~~

- f. No turnouts will be necessary.
- g. All surface materials needed for construction will be procured from a commercial source, except those materials that will be generated during the construction of this well (excess fill, etc.).
- h. The roads shall be maintained reasonably smooth, and free of ruts, soft spots, chuckholes, rocks, slides and washboards. The Engineered Road Design dated July 29, 2008 by Michael C. Lock and the BLM "Gold" book shall be followed for specifications on road design and culvert installation. All weather surfacing will be required if the well becomes a producer. A regular maintenance program shall include blading, ditching, sign replacement, surfacing, and culvert maintenance. All vehicles servicing the well are restricted to use of the approved access road and well pad.
- i. Culverts or low water crossings will be installed where deemed necessary by the dirt contractor. See the attached Topo Map B for possible locations of culverts and low water crossings.
- j. No fence cuts or cattle guards will be necessary unless specified by the BLM.
- k. EnCana requests that this APD also served as our request for a road and pipeline right-of-way for BLM lands outside of Lease No. U-16576 and the Middle Mesa Unit. The pipeline will be installed along the access road within 25' from center of the access road to the tie-in point in the SESW Section 4, T30S-R25E. See the attached Topo Maps B and C.
- l. Surface disturbance and vehicle travel will be limited to the approved location and approved pipeline/access road route. Any additional area needed will be approved by the BLM in advance.
- m. No surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. EnCana will adhere to the Surface Use Program and the Conditions of Approval in the approved APD, relevant to any right-of-way facilities.
- n. If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.
- o. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligations determined by the BLM.
- p. If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary

ONSHORE ORDER No. 1
 EnCana Oil & Gas (USA) Inc.
 Middle Mesa Fed 4-20-30-25
 Lot 20 Section 4, T30S-R25E
 San Juan County, Utah

Surface Use Plan

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drainage control can be installed along the access road.

- q. All brush, limbs, and other woody material will be stockpiled separately from the topsoil along the roadway, or near the well pad. The upper six inches of topsoil will be stockpiled near the well pad for future reclamation. If the soil stockpile is not used within six months it will be seeded to ensure topsoil integrity and prevent erosion.
- r. No pullouts or off-road parking will be allowed unless specifically authorized. "Keep vehicles on road surface" signs will be installed to assist with compliance. Shortcutting by vehicles operated by EnCana or its contractors, on roads not identified as access routes in the APD, will not be allowed.
- s. This location and the access route were chosen after discussions made at the onsite resulting in moving the surface location to the east and accessing the location from the south. Both changes help utilize existing surface disturbance by reducing approximately 3900' of new surface disturbance, reducing drainage crossings and allowing the pipeline to follow the proposed access road.

3. LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS OF THE PROPOSED LOCATION. SEE TOPO MAP A

- a. Water Wells - 0
- b. Injection or Disposal Wells - 0
- c. Producing Wells - 0
- d. Proposed Wells - 1
- e. Shut In Wells - 0
- f. Plugged and Abandoned Wells - 0

4. LOCATION OF PRODUCTION FACILITIES

- a. If the well is productive all production facilities will be located on the well pad. The proposed facilities to be located on the well pad will be a typical tank battery, which include a separator, meter building (with tube and meter), two 400 bbl tanks and if needed one 500 gal tank and methanol pump or dehy equipment.
- b. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM- Moab Field Office.
- c. The proposed gas gathering line will be buried from the well head to the battery site then laid on the surface from the pad until being buried under the access road at all road crossings to the tie-in point with the existing pipeline in the SESW of Section 4, T30S R25E. The total length of the pipeline is approximately 7,637.2' on BLM surface. See the attached Topo Map C.
- d. The pipeline will be left bare and allowed to rust in place to blend with the rock and natural soils on the surface. All permanent structures (onsite for six months or longer) constructed or installed will be painted a flat, non-reflective earth tone color which will match the adjacent vegetation. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. The actual color will be Juniper Green or one specified by the Bureau of Land Management.

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Lot 20 Section 4, T30S-R25E
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Surface Use Plan

Lease No. ~~U-16576~~

- e. All site security guidelines identified in 43 CFR 3162.7-5 and specified in Onshore Order No. 3 shall be adhered to.
- f. The oil and gas measurement facilities will be installed on the well location. The gas flowline will be buried from the wellhead to the meter and downstream until it leaves the pad. Meter runs will be housed. Oil and gas meters will be calibrated prior to first sales and quarterly thereafter. A copy of the meter calibration reports will be submitted to the BLM - Moab Field Office. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7, Onshore Oil and Gas Order No. 5 and the American Gas Association (AGA) Report No. 3.
- g. If a tank battery is constructed on this lease, it will be surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR 3162.7 and Onshore Oil and Gas Order No. 4.
- h. Production facilities on location may include a lined or unlined produced water pit as specified in Onshore Oil and Gas Order No. 7. If water is produced from the well, an application in conformance with Order No. 7 must be submitted.

5. LOCATION AND TYPE OF WATER SUPPLY

- a. The source of water for drilling and completion purposes will be obtained from the La Sal Creek located in the SW/4 of Section 8, T28S R25E, San Juan County, Utah.
- b. This water source will be permitted under the State of Utah, Department of Natural Resources, Division of Water Rights. Water Right Number 05-6.
- c. Water will be hauled to the location over the proposed access roads outlined in the SUP.

6. CONSTRUCTION MATERIALS

- a. All materials needed for construction will be procured from a commercial source, except those materials that will be generated during the construction of this well (excess fill, etc.).
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.
- c. No gravel or other related minerals from new or existing pits on Federal land will be used in the construction of roads, well pads, etc., without prior approval from the BLM.

7. METHODS FOR HANDLING WASTE DISPOSAL

- a. Drill cuttings are to be contained and buried in the reserve pit.
- b. The reserve pit will be sealed in such a manner as to prevent leakage of the fluids. Methods available to insure containment of drilling fluids in the reserve pit include lining the inside of the pit with at least a 30 mil plastic liner. If a plastic liner is used, the bottom of the pit shall be smooth and free of any sharp rocks. If the pit has a rocky bottom, it shall be bedded with a material such as soil, sand, straw or hay to avoid the possibility of puncturing the liner. A minimum of not less than a 2 foot freeboard will be maintained in the pit at all times. All oil or floating debris will be removed from the pit immediately after the drilling and after the stimulation phase of the well.

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 San Juan County, Utah

Surface Use Plan

Lease No. ~~U-16576~~

- c. The reserve pit will be located on the SE corner of the disturbed pad, and the pit walls will be sloped at no greater than 1 1/2 to 1.
- d. The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling operations have been completed and shall remain until the pit is reclaimed. As soon as the reserve pit has dried or been sufficiently de-watered, all areas not needed for production will be rehabilitated. The reserve pit solids will not be squeezed out of the pit. The reserve pit will be backfilled and re-contoured to blend with the existing environment.
- e. Garbage is to be contained in the trash cage. The trash cage will be totally enclosed with small mesh wire to prevent wind scattering and wildlife entry. All garbage will be hauled to an approved disposal site at the end of drilling/completion operations.
- f. Sewage will be disposed of in accordance with State and County regulations. No sewage boreholes will be allowed. Chemical porta-toilets will be furnished and their contents hauled to an approved disposal site.
- g. The produced fluids (produced water, frac fluid and possibly condensate), while testing the well will be flowed back to a 400 bbl test tank. Any condensate will be skimmed and transferred to production tanks. Sand and produced fluids other than condensate will be transferred to the reserve pit until such time as the well is cleaned up sufficiently to produce pipeline quality gas. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.

8. ANCILLARY FACILITIES

No camps, airstrips or other facilities will be necessary.

9. WELLSITE LAYOUT

- a. The survey plats are attached.
- b. The well pad plan is attached with the location of the reserve pit and access road onto the well pad.
- c. A cross section of the well pad with the cut and fill diagram is attached.
- d. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.
- e. The reserve pit will be designed to prevent the collection of surface runoff.
- f. The reserve pit liner shall remain intact until the reserve pit is reclaimed. Flare pits must be located a sufficient distance from the reserve pit to prevent the liner from being damaged during flaring operations.
- g. Prior to rigging up, a one-foot high berm will be constructed around the perimeter of the well pad to contain all storm events/spills from going downstream of the well pad. A lined sump pit may be utilized to contain the fluids. The need for the berm will be reassessed upon completion of the well and after production is established.
- h. Compaction and construction of the berms surrounding the tank or tank batteries will be designed to prevent lateral movement of fluids through the berm, prior to any storage of fluids. All load lines and valves shall be placed inside the bermed areas.

ONSHORE ORDER No. 1
 EnCana Oil & Gas (USA) Inc.
 Middle Mesa Fed 4-20-30-25
 Lot 20 Section 4, T30S-R25E
 San Juan County, Utah

Surface Use Plan

Lease No. U-16576

- i. There shall be a sign or marker on location with the name of the operator, lease serial number, well number, and legal location of the well.

10. PLANS FOR RECLAMATION OF THE SURFACE

The following surface reclamation will be done upon completion of the drilling operations.

- a. Where topsoil material is available it will be removed from the location, saved and stockpiled separately on the edge of the pad to be used for reclamation purposes.
- b. Topsoil along the access road will be reserved in place adjacent to the road.
- c. Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.
- d. When the reserve pit has dried naturally or by enhanced evaporation the reserve pit and that portion of the location not needed for production will be reclaimed within 6 months of well completion or abandonment (weather-permitting).
- e. All road surfacing will be removed prior to the rehabilitation of roads.
- f. Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.
- g. All disturbed areas will be recontoured to replicate the natural slope.
- h. The stockpiled topsoil will be evenly distributed over the disturbed area where available.
- i. Prior to reseeding, all disturbed areas, including the access roads will be scarified and left with a rough surface.
- j. Seed will be broadcast or drilled between September and October, or at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.
- k. The following seed mixture or one approved by the BLM will be used. Seed labels from each bag shall be available for inspection while seeding is being accomplished. In the event grasses and native vegetation is not established after the first seeding application, subsequent applications will be performed until grasses and/or native vegetation is established.

Common Name	Pure Live Seed (PLS) lbs /acre
Indian ricegrass	4.0
Crested wheatgrass	4.0
Four-wing saltbush	4.0
Alfalfa	0.5
	12.5 lbs/acre

- l. The abandonment marker will be one of the following, as specified by the BLM:
 - 1) at least four feet above ground level,
 - 2) at restored ground level, or
 - 3) below ground level.

In any case the marker shall be inscribed with the following: operator name, lease

ONSHORE ORDER No. 1
 EnCana Oil & Gas (USA) Inc.
 Middle Mesa Fed 4-20-30-25
 Lot 20 Section 4, T30S-R25E
 San Juan County, Utah

Surface Use Plan

Lease No. ~~U-16576~~

number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

- m. Vegetation or soil disturbance by the operator will be held to the minimum consistent with practical construction operations and the operator will smooth all disturbed areas to conform as nearly as practical to the adjacent terrain.
- n. To the degree it is feasible, natural drainage will not be altered.
- o. Reclamation will be considered successful when the desired vegetative species are established, erosion is controlled, weeds are considered a minimal threat, and it is likely that ground cover will return to a desirable condition. EnCana will continue revegetation efforts until this standard is met. BLM shall be responsible for determining when reclamation efforts are successful.
- p. A fence shall be installed around the perimeter of the area undergoing reclamation. The fence shall be maintained in a manner to prevent cattle from entering the area, and shall be constructed as follows: Posts to be no more than 16' apart; fence wire: four wires of at least 12.5 gauge, double strand twisted; two stays between posts; wire stretched taut between brace panels, wire spacing from the ground up: 14", 22", 30", 42". Fence shall be maintained in place for a minimum of 3 years, and will be removed by EnCana when so instructed by the BLM.

11. SURFACE OWNERSHIP

Well site - Bureau of Land Management

Roads - All access roads within the leased are either maintained by the State and County Road Departments or are on lands managed by the Bureau of Land Management.

12. OTHER INFORMATION

- a. A Class III archeological survey has been conducted by 4 Corners Archaeological Services for the surface location, access road and pipeline right-of-way and was sent under separate cover.
- b. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the BLM Field Office. Within five (5) working days, the BLM will inform the operator as to:
 - Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures we will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
 - A time frame for the BLM to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the BLM are correct and that mitigation is appropriate.

If the operator wishes, at the time, to relocate activities to avoid the expenses of mitigation and/or the delays associated with this process, the BLM will assume

ONSHORE ORDER No. 1
 EnCana Oil & Gas (USA) Inc.
 Middle Mesa Fed 4-20-30-25
 Lot 20 Section 4, T30S-R25E
 San Juan County, Utah

Surface Use Plan

~~Lease No. U-16576~~

- responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The BLM will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the BLM that the required mitigation has been completed, the operator will then be allowed to resume construction.
- c. The BLM would conduct U.S. Fish and Wildlife Service (USFWS) consultation and coordination as necessary for all mitigation activities relating to T&E, candidate species and their habitats. In areas that have not been previously surveyed or cleared for these species, a qualified biologist/botanist would conduct surveys for these species in areas of potential habitat prior to disturbance. If T&E, candidate, or sensitive species are found, consultation with the USFWS would be initiated, as necessary, and construction activities would be curtailed until the BLM, USFWS, and Operators concur on which activities can be authorized.
 - d. A Noxious Weed, Raptor and Sensitive Species Survey was conducted by Westwater Engineering for the surface location, access road and pipeline right-of-way and has been sent under separate cover.
 - e. The BLM, Moab Field Office will be contacted no earlier than 15 days and no later than three (3) working days prior to commencement of construction activities.
 - f. "Sundry Notice and Report of Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
 - g. EnCana will remove the old existing stock tank near the SE corner of the pad and haul it to an approved disposal site.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

Permit Matters

EnCana Oil & Gas (USA) INC.
 370 17TH Street, Suite 1700
 Denver, CO 80202
 Jevin Croteau
 Office: (720) 876-5339
 Cell: (720) 273-6427

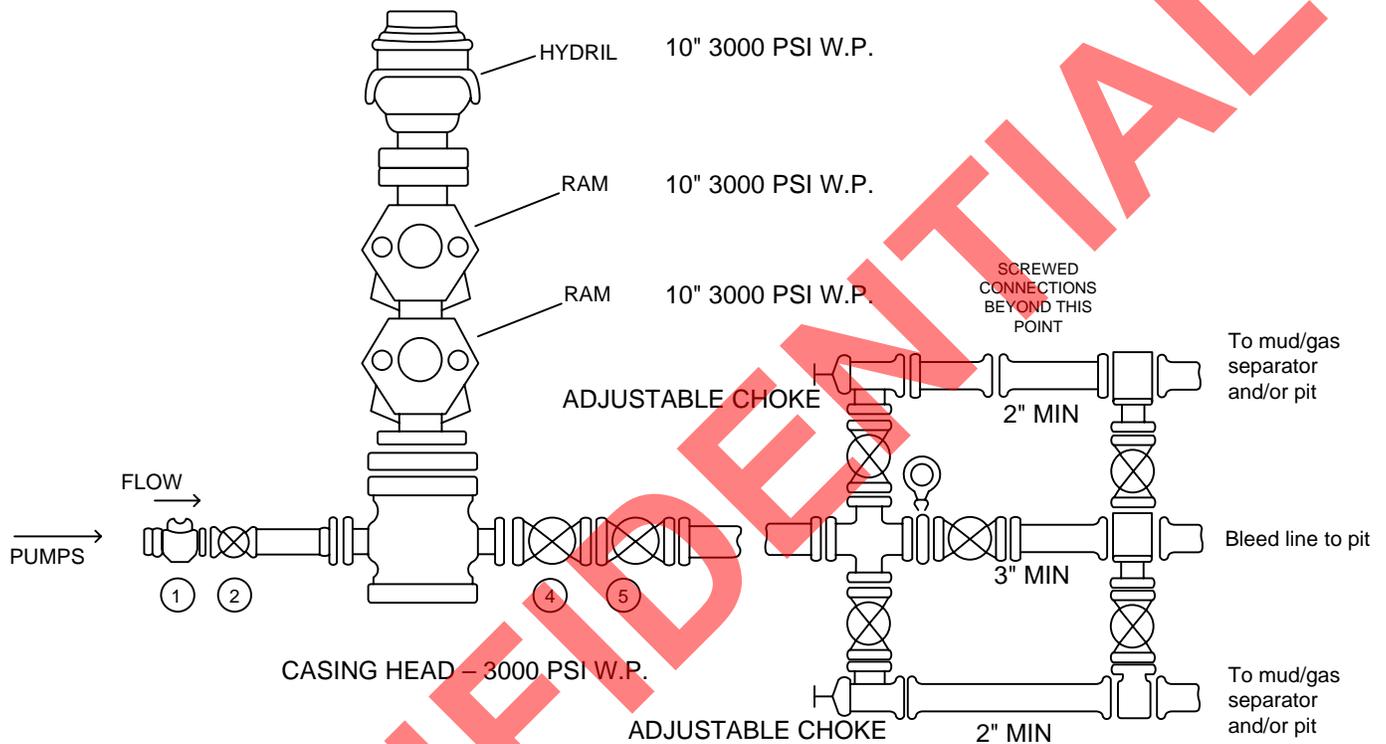
Drilling & Completion Matters

EnCana Oil & Gas (USA) INC.
 370 17th Street, Suite 1700
 Denver, CO 80202
 Kevin Brakovec – Drilling Engineer
 Office: (720) 876-3668
 Cell: (303) 710-0983

MINIMUM BOP Requirements

3000 PSI W.P.

FILL LINE ABOVE THE UPPERMOST PREVENTER



KILL LINE

- Valve #1 – Flanged check valve
Full working pressure of BOP
- Valve #2 – Flanged, minimum 2" bore
Full working pressure of BOP

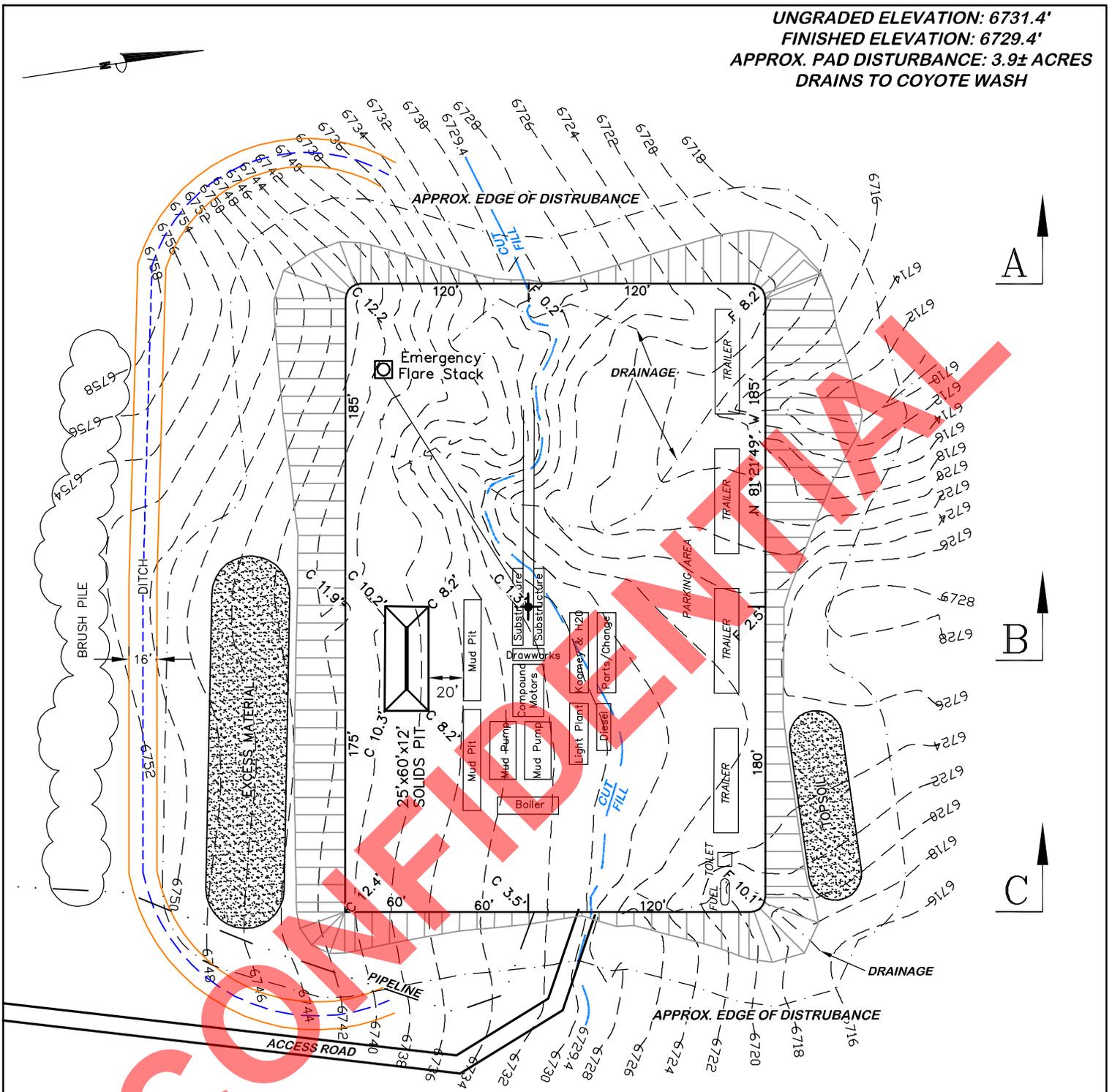
CHOKE LINE

- Valves #4 & 5 – Flanged minimum 3" bore
Full working pressure of BOP
- (Note: An HCR can be used instead of Valve # 5)

GENERAL RULES AND RECOMMENDATIONS

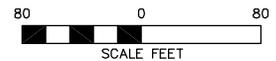
All lines to manifold are to be at right angles (90 deg.). No 45 deg. angles are to be used.
Blind flanges are to be used for blanking.
All studs and nuts are to be installed on all flanges.

UNGRADED ELEVATION: 6731.4'
 FINISHED ELEVATION: 6729.4'
 APPROX. PAD DISTURBANCE: 3.9± ACRES
 DRAINS TO COYOTE WASH

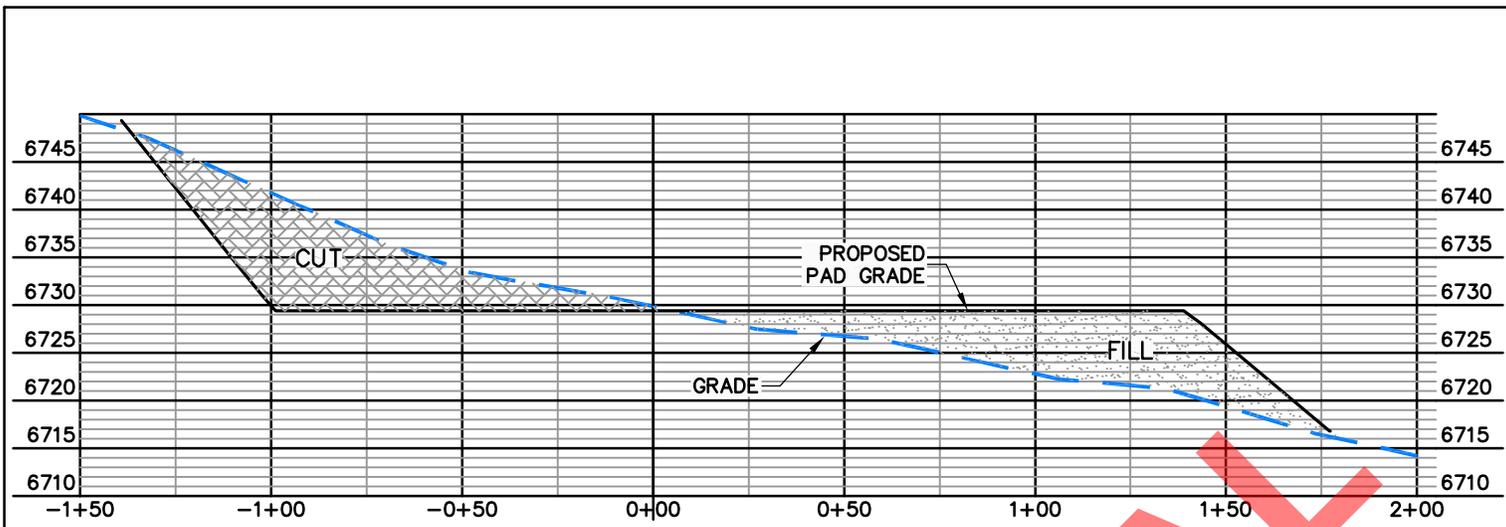


BEFORE DIGGING
 CALL FOR
 UTILITY LINE LOCATION
 NOTE: THE EARTH QUANTITIES ON
 THIS DRAWING ARE ESTIMATED
 AND THE USE OF IS AT THE
 RESPONSIBILITY OF THE USER.

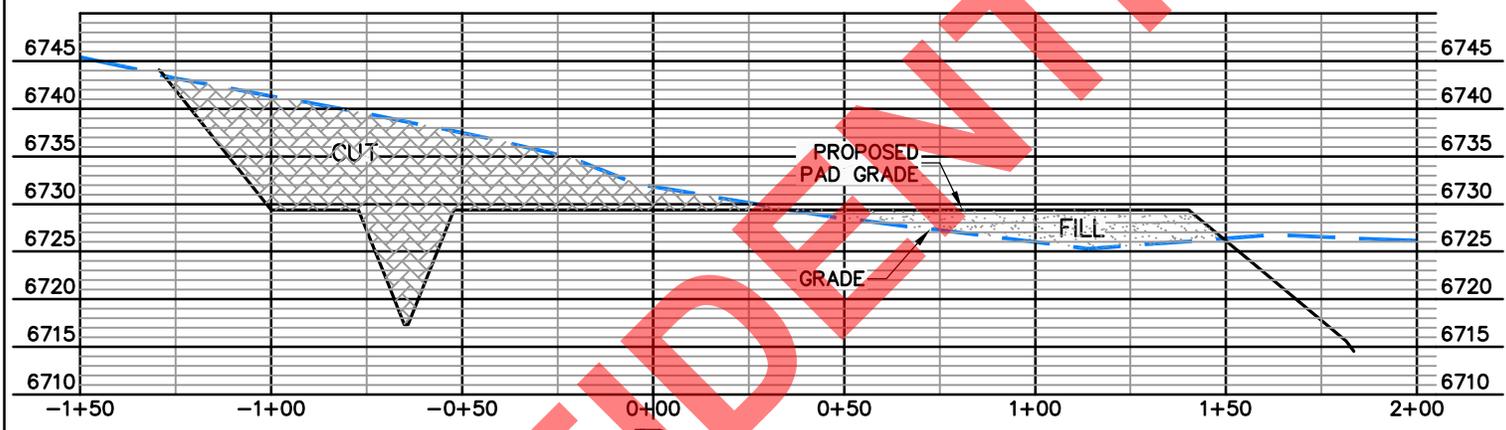
MIDDLE MESA FED 4-20-30-25



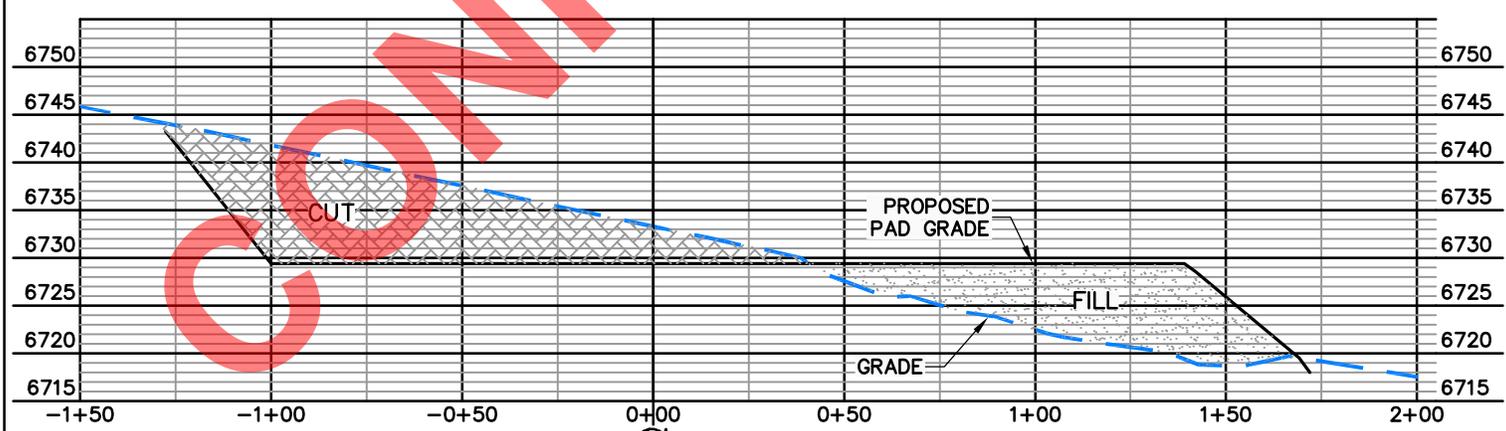
 <p>(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>PATARA OIL & GAS, LLC. MIDDLE MESA FED 4-20-30-25</p>				
		<p>ESTIMATED EARTHWORK</p>				
<p>DRAWN: 4/30/08 - KDA</p>	<p>SCALE: 1" = 80'</p>	<p>ITEM</p>	<p>CUT</p>	<p>FILL</p>	<p>TOPSOIL</p>	<p>EXCESS</p>
<p>REVISED: 5/16/11 - TCM</p>	<p>DRG JOB No. 15794</p>	<p>PAD</p>	<p>10,411 CY</p>	<p>7,682 CY</p>	<p>1,598 CY</p>	<p>1131 CY</p>
<p>REVISE PITS, FLARE STACK, RIG TYPE</p>	<p>EXHIBIT 2</p>	<p>PIT</p>	<p>341 CY</p>			<p>341 CY</p>
		<p>TOTALS</p>	<p>10,752 CY</p>	<p>7,682 CY</p>	<p>1,598 CY</p>	<p>1472 CY</p>



A



B



C

MIDDLE MESA FED 4-20-30-25

 <p>DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>PATARA OIL & GAS, LLC. MIDDLE MESA FED 4-20-30-25</p>	
<p>DRAWN: 4/30/08 - KDA</p>	<p>HORZ. 1" = 50' VERT. 1" = 20'</p>	<p>UNGRADED ELEVATION: 6731.4'</p>	
<p>REVISED: 5/16/11 - TCM</p>	<p>DRG JOB No. 15794</p>	<p>FINISHED ELEVATION: 6729.4'</p>	
<p>REVISED TITLEBLOCK, PROFILES</p>	<p>EXHIBIT 3</p>		

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 5, 2011

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Middle Mesa Unit,
San Juan County, Utah.

Please refer to our memorandum dated June 16, 2011. On July 5, 2011, Tract 19A, federal lease UTU84063, was considered fully committed to the Middle Mesa Unit effective June 21, 2011. As such, we no longer have any concerns regarding the following well.

API#	WELL NAME	LOCATION
	(Proposed PZ Hatch)	
43-037-50010	Middle Mesa	4-20-30-25 Sec 04 T30S R25E 5406 FNL 1225 FWL BHL Sec 05 T30S R25E 5546 FNL 0155 FEL

If you have any questions, please contact the undersigned.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch
of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.07.05 11:52:19 -0600

bcc: File - Middle Mesa Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-5-11



Patara Oil & Gas LLC

Dominion Towers • 600 17th Street, Suite 1900S • Denver, CO 80202

Phone (303) 825-0685 • Fax: (720) 235-4560

July 20, 2011

Ms. Diana Mason
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84116

RE: Rule R649-3-11. Directional Drilling
Middle Mesa No. 4-20-30-25 Well
Middle Mesa Unit Federal Unit
San Juan County, Utah

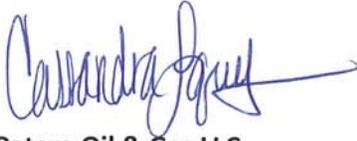
Dear Ms. Mason:

Reference is made to that certain application for permit to drill (APD) covering the captioned well, which well is presently surface located 5,406' FNL and 1,225' FWL of Section 4, T30S, R25E, and bottomhole located 5,546' FNL and 155' FEL of Section 5, T30S, R25E, in San Juan County, Utah (surveyor plats enclosed). The bottomhole location for this step out well targeting the Honaker Trail formation is located outside the 400 feet square "window" provided for under state rule R649-3-2. In accordance with state rule R649-3-11, Patara hereby respectfully requests an exception to said Location and Siting Wells rule and provides the following information in support thereof:

- 1.) Surface location is covered under Federal Oil and Gas Lease bearing the serial number UTU-84218 and the bottomhole under UTU-84063
- 2.) All lands located within a 460' radius of the bottomhole location and all points along the intended wellbore are committed to the Middle Mesa Federal Exploratory Unit, case number UTU-82680X. The Unit Agreement serves to unitize all formations under the separate unit tracts forming one unit area to effectively and efficiently develop the unitized zones;
- 3.) Pursuant to the Unit Operating Agreement of the above referenced unit, Patara, as Unit Operator, is the designated agent for those lands committed to the unit area;

In consideration of the foregoing, we therefore respectfully request an exception to rule R649-3-2 for purposes of drilling the captioned well with a bottomhole at the location set forth in the revised APD. Should you have any questions, regarding this matter, please do not hesitate to give me a call at 303-563-5375.

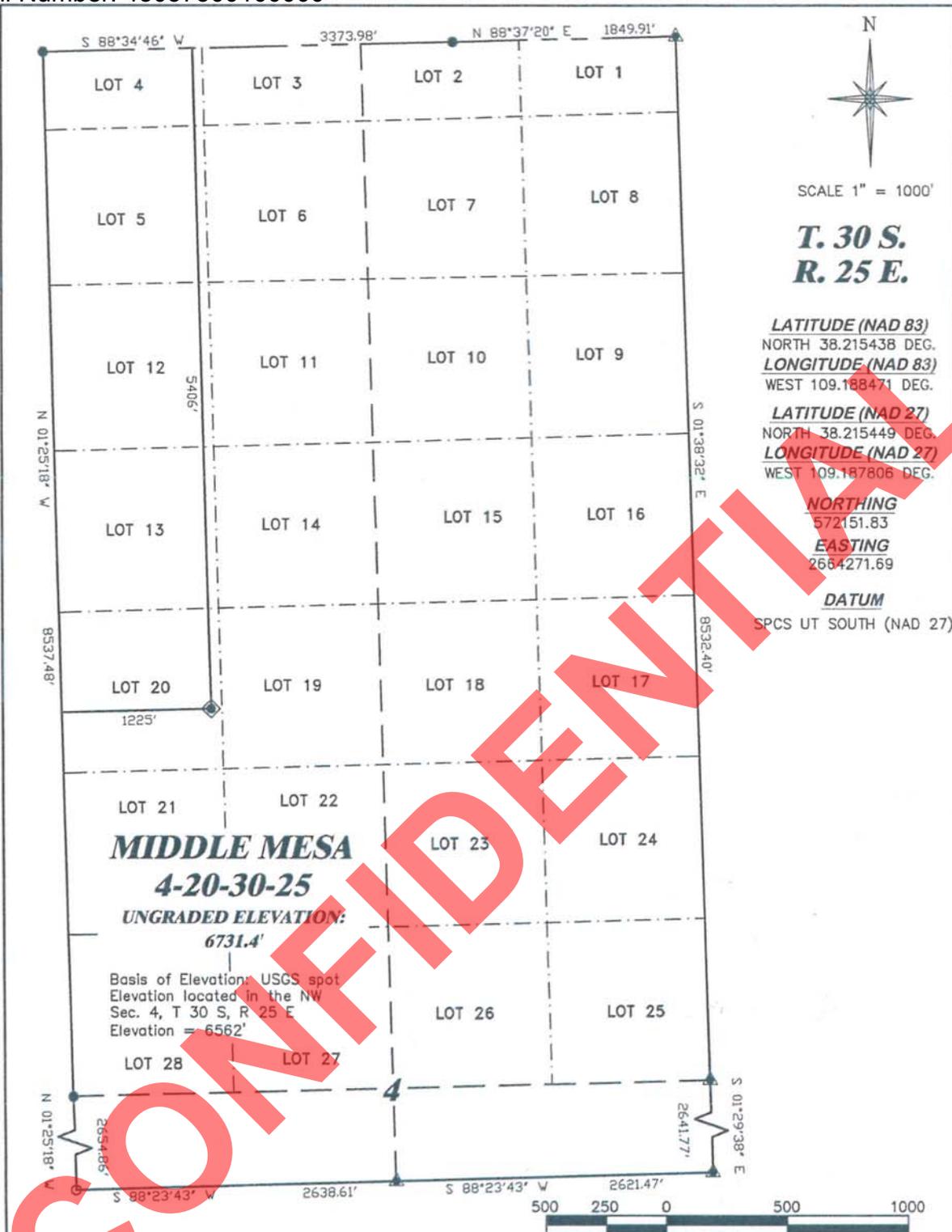
Sincerely,



Patara Oil & Gas LLC
Cassandra Squyres
Land Consultant

Enclosure

CONFIDENTIAL



SCALE 1" = 1000'

**T. 30 S.
R. 25 E.**

LATITUDE (NAD 83)
NORTH 38.215438 DEG.
LONGITUDE (NAD 83)
WEST 109.188471 DEG.

LATITUDE (NAD 27)
NORTH 38.215449 DEG.
LONGITUDE (NAD 27)
WEST 109.187806 DEG.

NORTHING
572151.83
EASTING
2664271.69

DATUM
SPCS UT SOUTH (NAD 27)

**MIDDLE MESA
4-20-30-25**

**UNGRADED ELEVATION:
6731.4'**

Basis of Elevation: USGS spot
Elevation located in the NW
Sec. 4, T 30 S, R 25 E
Elevation = 6562'

SURVEYOR'S STATEMENT

I, CLEMENT R. WILLIAMS, OF ROCK SPRINGS, WYOMING, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON APRIL 23, 2008, AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF MIDDLE MESA 4-20-30-25 AS STAKED ON THE GROUND.

LEGEND

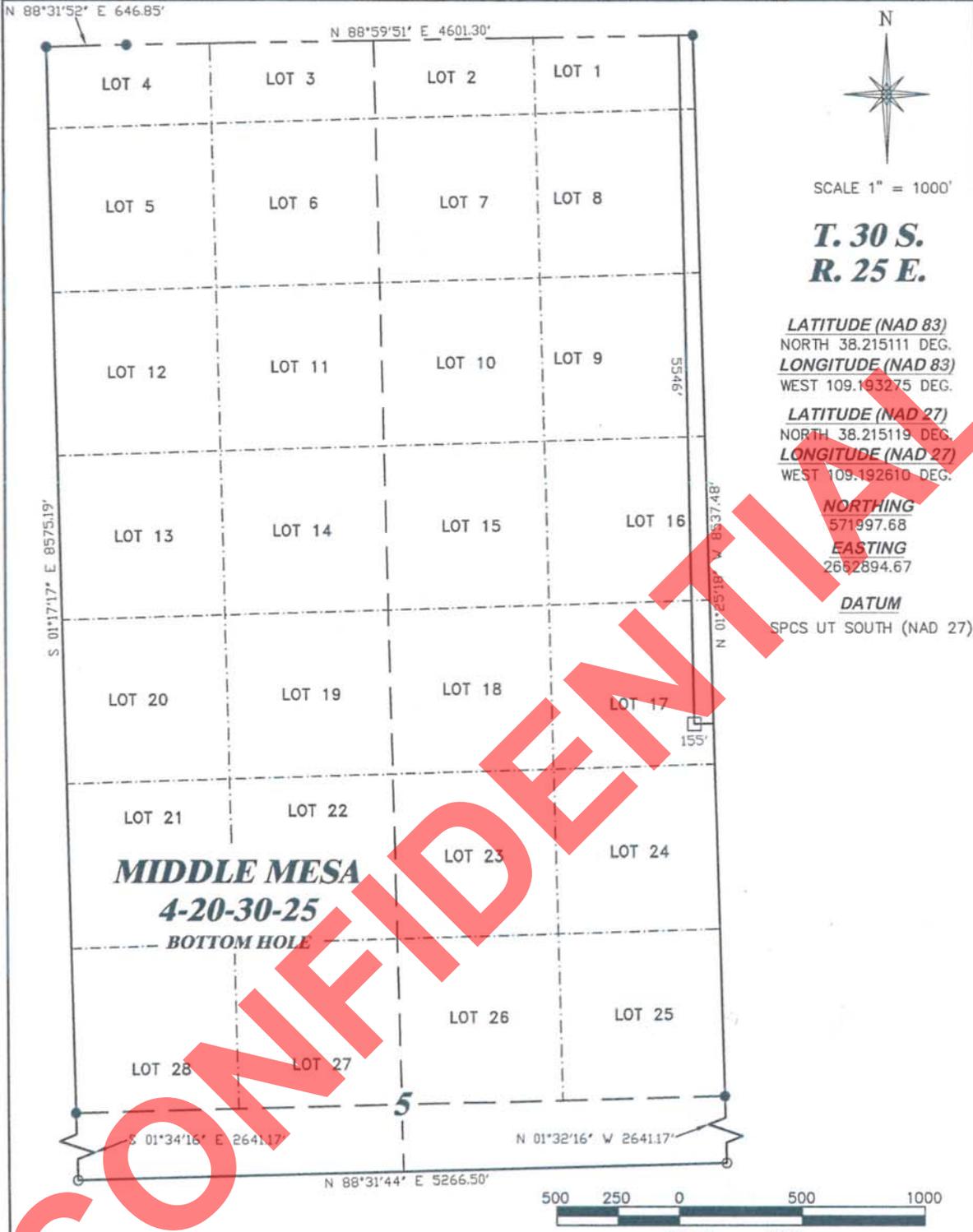
- ◆ WELL LOCATION
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT
- CALCULATED CORNER



Clement R. Williams
UTAH PLS. No. 177178-2201

5/19/11

<p>DRG RIFFIN & ASSOCIATES, INC. 1414 ELK ST., ROCK SPRINGS, WY 82901 (307) 362-5028</p>		<p>PLAT OF DRILLING LOCATION FOR PATARA OIL & GAS, LLC.</p> <p>5406' F/NL & 1225' F/WL, SECTION 4, T. 30 S., R. 25 E., SALT LAKE B.M. SAN JUAN COUNTY, UTAH</p>
<p>DRAWN: 4/30/08 - KDA REVISED: 5/16/11 - TCM REVISED TITLEBLOCK</p>	<p>SCALE: 1" = 1000' DRG JOB No. 15794 EXHIBIT 1</p>	



SURVEYOR'S STATEMENT

I, CLEMENT R. WILLIAMS, OF ROCK SPRINGS, WYOMING, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON APRIL 23, 2008, AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF MIDDLE MESA 4-20-30-25 BOTTOM HOLE LOCATION.

LEGEND

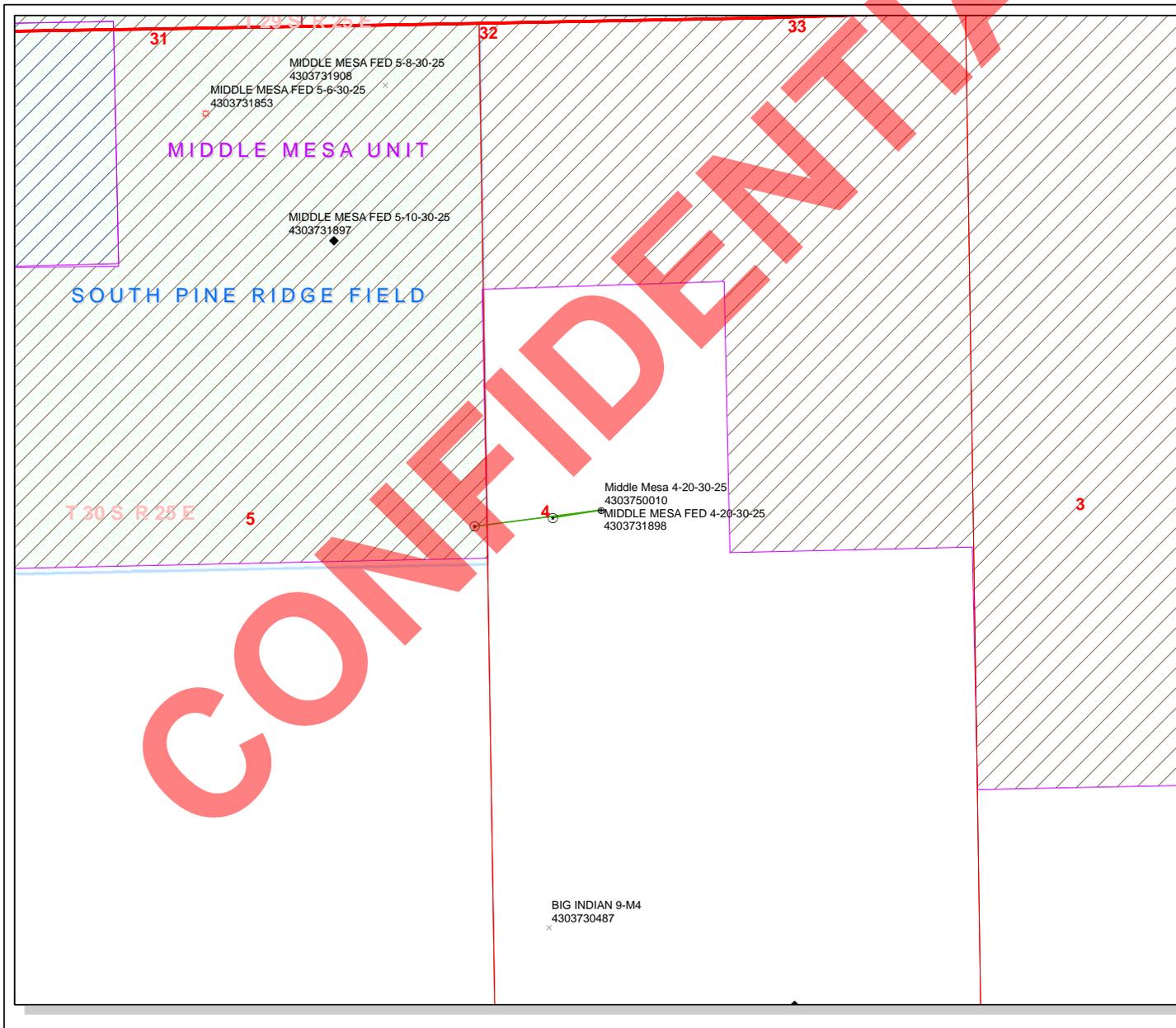
- ◆ WELL LOCATION
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT
- CALCULATED CORNER

REGISTERED SURVEYOR
No. 82-177178-2201
CLEMENT R. WILLIAMS
5/19/11
Clement R. Williams
UTAH-PLS No. 177178-2201

<p>DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>	
<p>REVISED:</p>	<p>DRG JOB No. 15794</p>
<p>N/A</p>	<p>EXHIBIT 1</p>

**PLAT OF BOTTOM HOLE LOCATION
FOR
PATARA OIL & GAS, LLC.**

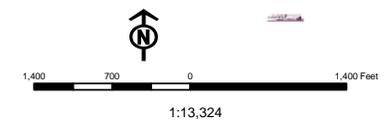
**5546' F/NL & 155' F/EL, SECTION 5,
T. 30 S., R. 25 E., SALT LAKE B.M.
SAN JUAN COUNTY, UTAH**



API Number: 4303750010
Well Name: Middle Mesa 4-20-30-25
Township T30 . Range R25 . Section 04
Meridian: SLBM
Operator: PATARA OIL & GAS, LLC

Map Prepared:
 Map Produced by Diana Mason

- | Units STATUS | Wells Query Status |
|---------------|------------------------------------|
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LA - Location Abandoned |
| PI OIL | LOC - New Location |
| PP GAS | OPS - Operation Suspended |
| PP GEOTHERMAL | PA - Plugged Abandoned |
| PP OIL | PGW - Producing Gas Well |
| SECONDARY | POW - Producing Oil Well |
| TERMINATED | RET - Returned APD |
| Unknown | SGW - Shut-in Gas Well |
| ABANDONED | SOW - Shut-in Oil Well |
| ACTIVE | TA - Temp. Abandoned |
| COMBINED | TW - Test Well |
| INACTIVE | WDW - Water Disposal |
| STORAGE | WIW - Water Injection Well |
| TERMINATED | WSW - Water Supply Well |
| Sections | |
| Township | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/1/2011

API NO. ASSIGNED: 43037500100000

WELL NAME: Middle Mesa 4-20-30-25

OPERATOR: PATARA OIL & GAS, LLC (N3670)

PHONE NUMBER: 303 820-4480

CONTACT: Kimberly J. Rodell

PROPOSED LOCATION: SWNW 04 300S 250E

Permit Tech Review:

SURFACE: 5406 FNL 1225 FWL

Engineering Review:

BOTTOM: 5546 FNL 0155 FEL

Geology Review:

COUNTY: SAN JUAN

LATITUDE: 38.21546

LONGITUDE: -109.18783

UTM SURF EASTINGS: 658648.00

NORTHINGS: 4231067.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: utu84218

PROPOSED PRODUCING FORMATION(S): HATCH

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - UTB000428
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 05-6
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit: MIDDLE MESA
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed
IRR SEC:

Stipulations: 1 - Exception Location - dmason
4 - Federal Approval - dmason
15 - Directional - dmason
23 - Spacing - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Middle Mesa 4-20-30-25
API Well Number: 43037500100000
Lease Number: utu84218
Surface Owner: FEDERAL
Approval Date: 7/28/2011

Issued to:

PATARA OIL & GAS, LLC, 600 17th Street Ste 1900S, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the HATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an

appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU84218
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: Middle Mesa - UTU82680X
8. WELL NAME and NUMBER: Middle Mesa Fed 4-20-30-25
9. API NUMBER: 4303731898 4303750010
10. FIELD AND POOL, OR WILDCAT: Middle Mesa
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with 2 main columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for NOTICE OF INTENT, SUBSEQUENT REPORT, and various actions like ACIDIZE, ALTER CASING, etc.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC (Patara) proposes the following changes to the approved Application for Permit to Drill: Patara will not utilize a reserve pit, and will drill the well with a closed loop drilling system.

Patara wishes to stockpile drilled solids on a corner of the permitted pad, will allow cuttings to dry, and upon completion of the well, will spread the solids over the pad and utilize as a base for interim reclamation.

If there are any questions with this request, please contact Patara Drilling Engineer Ryan Calhoun at 303-563-5373. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT) Christopher A. Noonan
TITLE Production Technician
SIGNATURE [Signature]
DATE 7/27/2011

(This space for State use only)

Federal Approval of this
Action is Necessary

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DIV. OF OIL, GAS & MINING

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU82680X
2. NAME OF OPERATOR: Patara Oil & Gas LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 600 17th St. Suite 1900S CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Middle Mesa - UTU82680X
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406FNL 1225FWL		8. WELL NAME and NUMBER: Middle Mesa 4-20-30-25
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 4 30S 25E S		9. API NUMBER: 43037: 50010
COUNTY: San Juan County, UT		10. FIELD AND POOL, OR WILDCAT: Middle Mesa
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>8/2/2011</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input checked="" type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Utah Division of Oil, Gas and Mining (UDOGM) has approved a new Application for Permit to Drill (APD) for this location, and as such, has issued a new API number and well name for this well. Patara proposes to change the official name of this well as follows:

Current Well Name: Middle Mesa 4-20-30-25
New Well Name: Middle Mesa Fed 4-20-30-25

All other portions of the APD and well information remain the same, and in effect. Thank you.

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Production Technician</u>
SIGNATURE <u><i>CHA</i></u>	DATE <u>8/2/2011</u>

(This space for State use only)

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU84218
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: Middle Mesa - UTU82680X
2. NAME OF OPERATOR: Patara Oil & Gas LLC		8. WELL NAME and NUMBER: Middle Mesa Fed 4-20-30-25
3. ADDRESS OF OPERATOR: 600 17th St. Suite 1900S CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4303750010
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406FNL 1225FWL		10. FIELD AND POOL, OR WILDCAT: Middle Mesa
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 4 30S 25E S		COUNTY: San Juan County, UT
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 8/15/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC (Patara) anticipates the need to lay the pipeline for this wellsite along the access road on the surface, in opposition to burying the pipeline as stated in the original Application for Permit to Drill.

A 6" trunkline is buried at the intersection of 305 Road, and the access roadways leading the the Bull Horn Fed 4-83-30-25 and Bull Horn Fed 9-14-30-25. Patara requests authorization to install 4" STD wall, ERW, non-coated pipe, on the surface, along the access road leading from the Middle Mesa Fed 4-20-30-25 wellsite to the tie in point with the trunkline.

This is necessary due to solid rock encountered beneath the topsoil. All other wells in the area have been installed with pipelines laid in this manner.

Please see attached pipeline map.

Please contact Christopher Noonan with Patara with any questions. Thank you.

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Production Technician</u>
SIGNATURE	DATE <u>8/9/2011</u>

(This space for State use only) **Accepted by the Utah Division of Oil, Gas and Mining For Record Only**

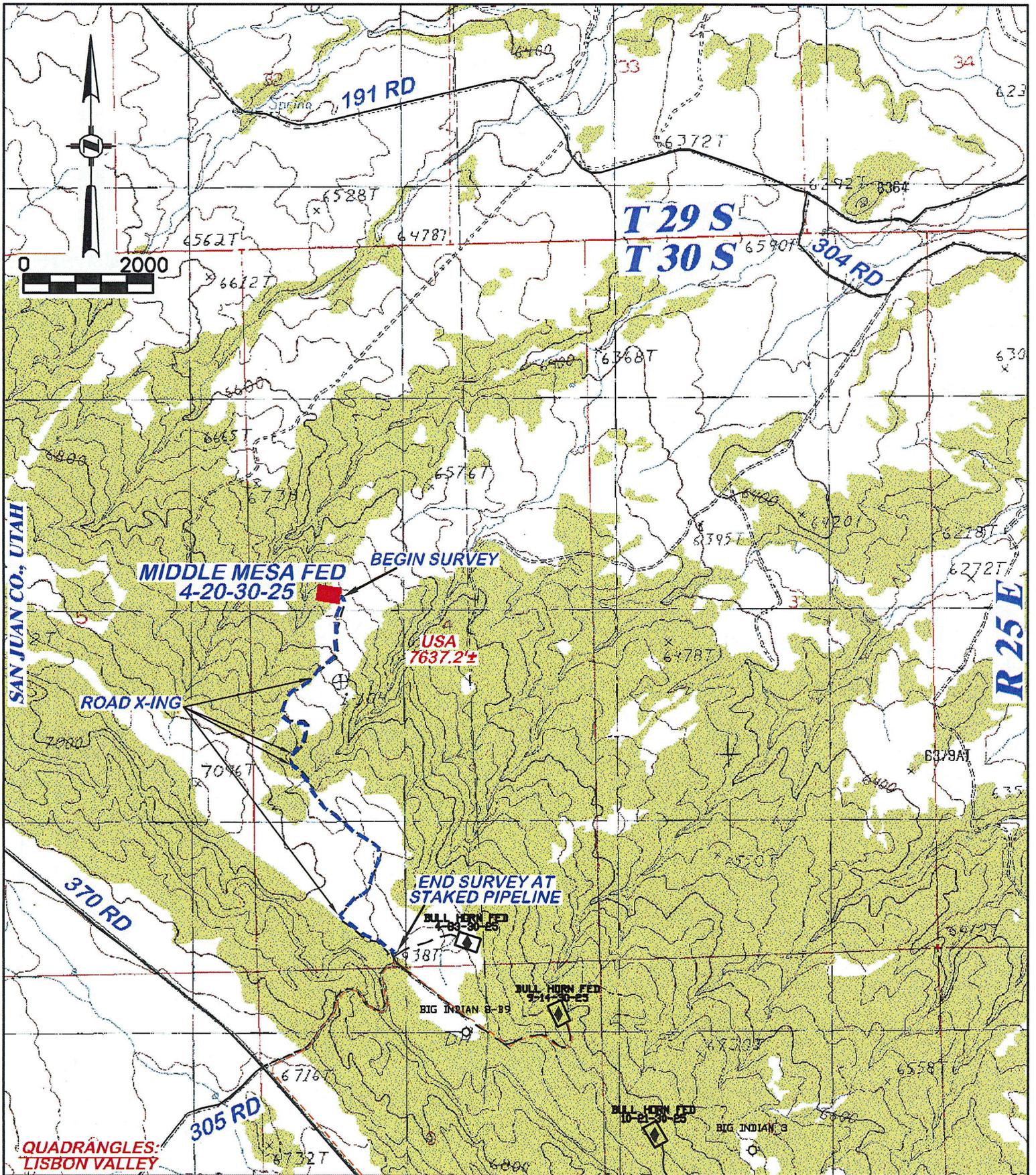
Federal Approval Of This Action Is Necessary

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AUG 17 2011

DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)



 DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
REVISED: 4/30/08 - KDA	SCALE: 1"=2000'
REVISED: 5/16/11 - TCM	DRG JOB No. 15794
REVISED TITLEBLOCK	EXHIBIT 4

PROPOSED PIPELINE FOR PATARA OIL & GAS, LLC. MIDDLE MESA FED 4-20-30-25	
TOTAL PROPOSED LENGTH: 7,637.2±	
EXISTING ROAD 	TOPO MAP C
PROPOSED PIPELINE 	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: utu84218
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: MIDDLE MESA
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: MIDDLE MESA FED 4-20-30-25
2. NAME OF OPERATOR: PATARA OIL & GAS, LLC		9. API NUMBER: 43037500100000
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1900S , Denver, CO, 80202	PHONE NUMBER: 303 825-0685 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406 FNL 1225 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 30.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/25/2011 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Patara Oil & Gas LLC spud the Middle Mesa Fed 4-20-30-25 on August 25, 2011 at 13:00 with Frontier Rig 4. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Christopher Noonan	PHONE NUMBER 303 563-5377	TITLE Production Technician
SIGNATURE N/A		DATE 8/29/2011

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: PATARA OIL & GAS, LLC

Well Name: MIDDLE MESA FED 4-20-30-25

Api No: 43-037-50010 Lease Type FEDERAL

Section 04 Township 30S Range 25E County SAN JUAN

Drilling Contractor FRONTIER DRILLING RIG #

SPUDDED:

Date 08/25/2011

Time 1:00 PM

How DRY

Drilling will Commence: _____

Reported by JIM

Telephone # (303) 710-1713 - DRLG SUPV

Date 08/29/2011 Signed CHD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: utu84218
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: MIDDLE MESA
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: MIDDLE MESA FED 4-20-30-25
2. NAME OF OPERATOR: PATARA OIL & GAS, LLC		9. API NUMBER: 43037500100000
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1900S , Denver, CO, 80202	PHONE NUMBER: 303 825-0685 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406 FNL 1225 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 30.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/2/2011	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> FRUG AND ABANDON
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER
		OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please find the attached monthly drilling update for the subject well. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Christopher Noonan	PHONE NUMBER 303 563-5377	TITLE Production Technician
SIGNATURE N/A		DATE 9/2/2011



Patara Oil & Gas LLC

Daily Activity and Cost Summary

Well Name: Middle Mesa Fed 4-20-30-25

API/UWI 43-037-31898	Surface Legal Location Sec. 4 T30S R25E	Field Name Wildcat	License #	State/Province	Well Configuration Type
Ground Elevation (ft) 6,731.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Spud Date 8/25/2011 13:00	Rig Release Date

Job Category Drilling	Primary Job Type Drilling - original	Secondary Job Type	Status 1
Start Date 8/23/2011	End Date	AFE Number 870450	Total AFE + Supp Amount (Cost) 1,301,252.00

Objective

Summary

Contractor Frontier Drilling	Rig Number 4	Rig Type
---------------------------------	-----------------	----------

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
1.0	8/24/2011	8/25/2011			Rigging Up
2.0	8/25/2011	8/26/2011			Tag Cement @ 74' Spud, Well @ 13:00 Hrs,
3.0	8/26/2011	8/27/2011			Formation Entrada Very Hard Drilling
4.0	8/27/2011	8/28/2011			Survey @ 846' = 1.5 deg, Drlg, F/915 T/1196 Survey @ 1127' = 3.0 deg, Drlg F/1196 T/1228 Rig Service Drlg, F/1228 T/1291 Drlg, F/1291 T/1551 Work On No 1# Pump Drlg F/1551 T/1639
5.0	8/28/2011	8/29/2011			POOH to change bit and BHA. RIH drill from 1639-1925
6.0	8/29/2011	8/30/2011			Drlg, F/1921' T/2139' Circulate Clean Hole Build Vis T/50 Tight Hole Problems. Drlg, F/2139' T/2171'. Drlg, F/2171' T/2202'. Circulate & Survey @ 2162' = 2 deg, Drlg, F/2202' T/2266'. Condition Mud & Circulate Clean Hole Work Tight Hole. Drlg, F/2266' T/2329'. Rig Service Repair Hydraulic Leak Kelly Spinner. Drlg, F/2329' T/2361'. Sand Is Sluffing In Will Let Mud Wt, Walk Up T/ 9.2 With A Vis @ 55 To Help Keep Hole Clean.
7.0	8/30/2011	8/31/2011			We Are Running Both Pumps @ 95 Spm W/ 5 1/2 Liners For 530 Gpm, And Running Soap Sticks & Detergent F/ Bit Bailing
8.0	8/31/2011	9/1/2011			Drlg F/2550' T/2675'. Circulate & Condition Mud. Survey @ 2604 = 4.5 - deg, Circulate & Condition Well, F/ Trip Out PooH, T/ Run Casing Lay Down 8" Tools Rig Up American Casing & Lay Down Machine T/ Run 8 5/8 Casing Hold Safety Meeting Run 59 Jcts, 8 5/8 - 32# J55 Casing W / Guide Shoe Float Collar Bow String Centralizers Circ, Casing Rig Down Casing Casers, & Lay Down Machine Use Rig Pump F/ Circ, Held Safety Meeting W/ BJ Test Lines @ 5000# Cement Casing Bump Plug @ 2:08 Am Floats Held Wait On Cement Clean Mud Pit Pre Nipple Up
9.0	9/1/2011	9/2/2011			Cut Conductor & Casing Install 8 5/8 sow, x 5000# Well Head & Test. Nipple Up Bop. Held Safety Meeting / Test Casing & Bop Choke Manifold & Kelly Valve Csg, 1500# Bop, 3000# Annular 1500#. Wait On Crescent Directional. Unload Directional Tools. p/u Bit Motor Directional Tools Instal Drive Bushing. Trip In Hole. Kelly Up Fill Pipe Break Circulation Tag @ 2613'. Drlg Out Float @ 2619' Shoe @ 2667' Drlg Cement F/2667' T/ 2675'. Change Out Rotating Rubber. Drlg & Slide F/2675' T/2794'.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: utu84218
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: MIDDLE MESA
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: MIDDLE MESA FED 4-20-30-25
2. NAME OF OPERATOR: PATARA OIL & GAS, LLC	9. API NUMBER: 43037500100000
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1900S , Denver, CO, 80202	PHONE NUMBER: 303 825-0685 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406 FNL 1225 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 30.0S Range: 25.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: SAN JUAN STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/1/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC is currently engaged in drilling the Middle Mesa Fed 4-20-30-25 with the Frontier Rig 4 and is drilling ahead at 2,550 feet. Patara wishes to continue the well as planned, following the specifications of the approved APD, however, Patara requests to change the PTVD and enter the Desert Creek Formation. Details found below. Currently permitted TVD: 5,974 feet. Proposed change to TVD: 6,200 feet. Patara expects to reach the currently permitted TVD by Monday September 5, 2011. Expedited approval of this request is greatly appreciated. Please contact Christopher Noonan with Patara with any questions. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: 09/07/2011

By:

NAME (PLEASE PRINT) Christopher Noonan	PHONE NUMBER 303 563-5377	TITLE Production Technician
SIGNATURE N/A	DATE 8/31/2011	

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 2, 2011

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Middle Mesa Unit,
San Juan County, Utah.

Pursuant to email between Eric Jones, Moab Field Office, and Mickey Coulthard, Utah State Office, the following changes are being proposed to previously permitted wells in the Middle Mesa Unit (please see our memorandums dated February 17, 2009 and July 5, 2011)

API#	WELL NAME	LOCATION
(Proposed PZ Honaker Trail)		
43-037-31906	Middle Mesa Fed	31-44-29-25 Sec 31 T29S R25E 0587 FSL 1207 FEL BHL Sec 31 T29S R25E 0587 FSL 1207 FEL
(Proposed PZ Ismay/Desert Creek)		
43-037-50010	Middle Mesa Fed	04-20-30-25 Sec 04 T30S R25E 5406 FNL 1255 FWL Approximate BHL Sec 05 T29S R24E 5550 FNL 0200 FEL

This office recommends **not** approving downhole commingling between the Ismay/Deseret Creek and the Honaker Trail until outstanding participating areas have been established.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.09.02 10:13:32 -06'00'

bcc: File - Middle Mesa Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:9-2-11

RECEIVED Aug. 31, 2011

ENTITY ACTION FORM

Operator: Patara Oil & Gas LLC Operator Account Number: N 3670
 Address: 600 17th Street, Suite 1900S
city Denver
state CO zip 80202 Phone Number: (303) 825-0685

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4303750010	Middle Mesa Fed 4-20-30-25	SWNW	4	30S	25E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
A	99999	18193	8/25/2011		8/31/11	
Comments: Please assign this well to the Middle Mesa Unit. The well is targeting the Honaker Trail Formation. BHL = Sec 5 SENE						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
Comments:						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
Comments:						

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AUG 31 2011

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Christopher A. Noonan DIV. OF OIL, GAS & MINING
 Name (Please Print)

 Signature
 Production Technician 8/29/2011
 Title Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: utu84218
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: MIDDLE MESA
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: MIDDLE MESA FED 4-20-30-25
2. NAME OF OPERATOR: PATARA OIL & GAS, LLC		9. API NUMBER: 43037500100000
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1900S , Denver, CO, 80202	PHONE NUMBER: 303 825-0685 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406 FNL 1225 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 30.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please find the attached monthly drilling summary for the subject well, covering the dates from spud to rig release. Please contact Christopher Noonan with Patara with any questions. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Christopher Noonan	PHONE NUMBER 303 563-5377	TITLE Production Technician
SIGNATURE N/A		DATE 9/30/2011



Patara Oil & Gas LLC

Daily Activity and Cost Summary

Well Name: Middle Mesa Fed 4-20-30-25

API/UWI 43-037-31898	Surface Legal Location Sec. 4 T30S R25E	Field Name Wildcat	License #	State/Province Utah	Well Configuration Type Directional
Ground Elevation (ft) 6,731.00	Casing Flange Elevation (ft) 6,730.00	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft) 15.00	Spud Date 8/25/2011 13:00	Rig Release Date 9/10/2011 06:00

Job Category Drilling	Primary Job Type Drilling - original	Secondary Job Type	Status 1
Start Date 8/23/2011	End Date	AFE Number 113403	Total AFE + Supp Amount (Cost)

Objective

Summary

Contractor Frontier Drilling	Rig Number 4	Rig Type
---------------------------------	-----------------	----------

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
1.0	8/24/2011	8/25/2011			Rigging Up
2.0	8/25/2011	8/26/2011			Tag Cement @ 74' Spud, Well @ 13:00 Hrs,
3.0	8/26/2011	8/27/2011			Formation Entrada Very Hard Drilling
4.0	8/27/2011	8/28/2011			Survey @ 846' = 1.5 deg, Drlg, F/915 T/1196 Survey @ 1127' = 3.0 deg, Drlg F/1196 T/1228 Rig Service Drlg, F/1228 T/1291 Drlg, F/1291 T/1551 Work On No 1# Pump Drlg F/1551 T/1639
5.0	8/28/2011	8/29/2011			POOH to change bit and BHA. RIH drill from 1639-1925
6.0	8/29/2011	8/30/2011			Drlg, F/1921' T/2139' Circulate Clean Hole Build Vis T/50 Tight Hole Problems. Drlg, F/2139' T/2171'. Drlg, F/2171' T/2202'. Circulate & Survey @ 2162' = 2 deg, Drlg, F/2202' T/2266'. Condition Mud & Circulate Clean Hole Work Tight Hole. Drlg, F/2266' T/2329'. Rig Service Repair Hydraulic Leak Kelly Spinner. Drlg, F/2329' T/2361'. Sand Is Sluffing In Will Let Mud Wt, Walk Up T/ 9.2 With A Vis @ 55 To Help Keep Hole Clean.
7.0	8/30/2011	8/31/2011			We Are Running Both Pumps @ 95 Spm W/ 5 1/2 Liners For 530 Gpm, And Running Soap Sticks & Detergent F/ Bit Bailing
8.0	8/31/2011	9/1/2011			Drlg F/2550' T/2675'. Circulate & Condition Mud. Survey @ 2604 = 4.5 - deg, Circulate & Condition Well, F/ Trip Out PooH, T/ Run Casing Lay Down 8" Tools Rig Up American Casing & Lay Down Machine T/ Run 8 5/8 Casing Hold Safety Meeting Run 59 Jcts, 8 5/8 - 32# J55 Casing W / Guide Shoe Float Collar Bow String Centralizers Circ, Casing Rig Down Casing Casers, & Lay Down Machine Use Rig Pump F/ Circ, Held Safety Meeting W/ BJ Test Lines @ 5000# Cement Casing Bump Plug @ 2:08 Am Floats Held Wait On Cement Clean Mud Pit Pre Nipple Up
9.0	9/1/2011	9/2/2011			Cut Conductor & Casing Install 8 5/8 sow, x 5000# Well Head & Test. Nipple Up Bop. Held Safety Meeting / Test Casing & Bop Choke Manifold & Kelly Valve Csg, 1500# Bop, 3000# Annular 1500#. Wait On Crescent Directional. Unload Directional Tools. p/u Bit Motor Directional Tools Instal Drive Bushing. Trip In Hole. Kelly Up Fill Pipe Break Circulation Tag @ 2613'. Drlg Out Float @ 2619' Shoe @ 2667' Drlg Cement F/2667' T/ 2675'. Change Out Rotating Rubber. Drlg & Slide F/2675' T/2794'.
10.0	9/2/2011	9/3/2011			Drlg & Slide F/2794' T/3171' Rig Service Drlg & Slide F/3171' T/ 3265' Drlg & Slide F/3265' T/ 3292'
11.0	9/3/2011	9/4/2011			Drlg & Slide F/ 3992' T/4403' Rig Service Instal New Air Throttle On Pump Drlg & Slide F/4403' T/ 4497' Drlg & Slide F/ 4497' T/ 5066'
12.0	9/4/2011	9/5/2011			Drlg, F/ 5066' T/ 5414' Rig Service Drlg, F/ 5414' T/ 5445' Drlg & Slide F/ 5445' T/ 5825'
13.0	9/5/2011	9/6/2011			T,D, @ 6480' - 21:30 - 9/4/11, Circulate and Pump Sweep, Wiper trip 20 stands, Pump pill and TOOH for logs.
14.0	9/6/2011	9/7/2011			Wait On Weatherford Logging Truck. Rig Up To Log Run Caliper Log Tag Wireline Measurement @ 6476' Wait On Logging Tools
15.0	9/7/2011	9/8/2011			Wait On Weatherford Logging Tool WAIT On Logging Tool Logging Tool Arrived Run Loggs & Rig Down Wireline Hands Quit & Left Rig W/O Releif Three



Patara Oil & Gas LLC

Daily Activity and Cost Summary

Well Name: Middle Mesa Fed 4-20-30-25

API/UWI 43-037-31898	Surface Legal Location Sec. 4 T30S R25E	Field Name Wildcat	License #	State/Province Utah	Well Configuration Type Directional
Ground Elevation (ft) 6,731.00	Casing Flange Elevation (ft) 6,730.00	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft) 15.00	Spud Date 8/25/2011 13:00	Rig Release Date 9/10/2011 06:00

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
16.0	9/8/2011	9/9/2011			Trip In Hole Kelly Up Break Circ, Trip In Hole Kelly Up Wash & Ream 75' T/ Bottom Circulate & Condition Mud Rig Up Lay Down Truck Pump Pill Trip Out Laying Down Drill Pipe Trip Out t/ Bha Laying Down Drill pipe p/u Kelly Pull Drive Bushing Break Kelly Down Lay Down BHA Pull Wear Bushing Rig Casing Crew Held Safety Meeting Run Casing Shoe & 6466' Circulate F/ Cement
17.0	9/9/2011	9/10/2011			Circulate & Rigup BJ Cementers Pre Job Safety Meeting Cement Casing Bump Plu @ 9:32 am 2026 psi bleed back float heldNipple Down Bops Set Slips w/ 92,000 tension cut off casing instal tubing head & test t/ 5000# psi rig down prepare f/ rig moveclean mud pits & haul t/ disposal Release Rig @ 6:00 this am

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU84218

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
Middle Mesa Fed 4-20-30-25

9. API NUMBER:
4303734898 50010

10. FIELD AND POOL, OR WILDCAT
Pine Ridge South

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWSW 4 30S 25E S

12. COUNTY
San Juan

13. STATE
UTAH

14. DATE SPURRED: **8/25/2011** 15. DATE T.D. REACHED: **9/5/2011** 16. DATE COMPLETED: **11/5/2011** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
6731-KB

18. TOTAL DEPTH: MD **6,480** TVD **6,195** 19. PLUG BACK T.D.: MD **6,438** TVD **6,153.8** 20. IF MULTIPLE COMPLETIONS, HOW MANY? * **1**

21. DEPTH BRIDGE MD **6,150** PLUG SET: TVD **5,996**

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
COPIES WILL BE SUBMITTED TO DOGM VIA UPS

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

✓/d by HSM

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20	16	Cond	0	60		G 60		0 - CIR	
12.25	8.626 J-55	32	0	2,665		Type III 553		0 - CIR	
7.875	4.5 N-80	11.6	0	6,446		Type III 564		1600 - CBL	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	4,776							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Honaker Trail	4,876	5,181		
(B) Hatch	5,989	6,022		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
4,876 4,884	.34	32	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
5,075 5,096	.34	63	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
5,166 5,181	.34	45	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
5,989 6,022	.34	66	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4876 - 4884	17,776# 20/40 SAND AND N2 FOAM
5075 - 5181	92,865# 20/40 SAND AND CO2 FOAM
5989 - 6022	31,767# 20/40 SAND AND N2 FOAM

RECEIVED
NOV 29 2011

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:

Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/7/2011	TEST DATE: 11/6/2011	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 72	GAS – MCF: 3,600	WATER – BBL: 48	PROD. METHOD: Flowing
CHOKE SIZE: 24/64	TBG. PRESS. 1,150	CSG. PRESS.	API GRAVITY 0.07	BTU – GAS	GAS/OIL RATIO 50	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED: 11/7/2011	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD: Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Open

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

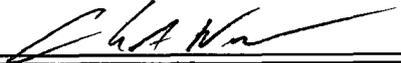
Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Honaker Trail	4,876	5,181		Honaker Trail	3,911
Hatch	5,989	6,022		La Sal	5,363
				Hatch	5,785
				Ismay	6,119
				Hovenweep	6,256
				Gothic	6,374
				Desert Creek	6,560

35. ADDITIONAL REMARKS (Include plugging procedure)

6,223 - 6,243ft. Frac treated w/30,780@ 20/40 sand and N2 foam. Ismay. 2 spf. Abandoned 10/4/11.
 6,272 - 6,282ft. Hovenweep formation. Abandoned 9/21/11.
 6,287 - 6,289.5ft. Hovenweep formation. Abandoned 9/21/11.
 6,289.5 - 6,292ft. Hovenweep formation. Abandoned 9/21/11.
 6,300 - 6,604ft. Hovenweep formation. Abandoned 9/21/11.

Test data representative of all productive, commingled zones.
 Conductor and Surface tops measured by returns to surface. Production tops measured by CBL.
 Please contact Christopher Noonan with Patara, with any questions or concerns. Thank you.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christopher A. Noonan TITLE Production Technician
 SIGNATURE  DATE 11/21/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

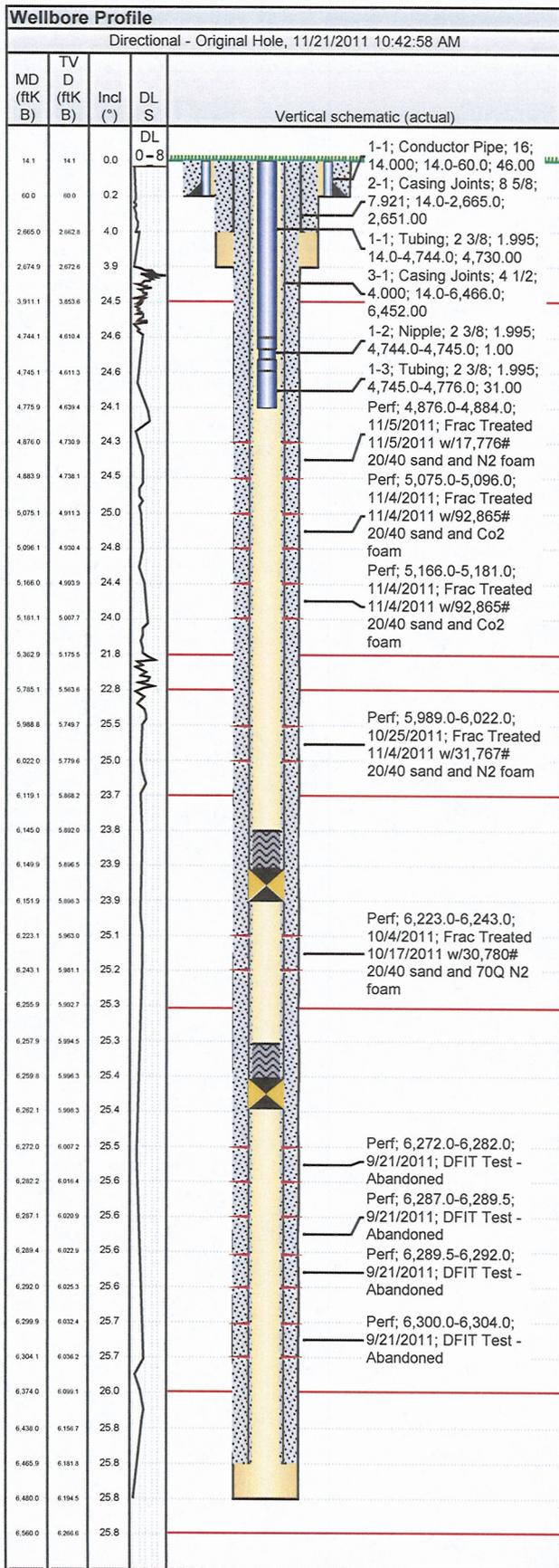
** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801
 Phone: 801-538-5340
 Fax: 801-359-3940



Well Name: Middle Mesa Fed 4-20-30-25

API/UWI 43-037-50010	Surf Loc SWNW Lot 20 Sec. 4 T30S R25E	Lease UTU82680	Field Name Middle Mesa	State/Province Utah	Well Configuration Type Directional
Original KB Elevation (ft) 6,745.00	KB-Ground Distance (ft) 14.00	Spud Date 8/25/2011 13:00	Rig Release Date 9/9/2011 06:00	PBTD (All) (ftKB) Original Hole - 6,438.0	Total Depth All (TVD) (ftKB) Original Hole - 6,194.5



Wellbore Drilling Summary

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date	Act Top (TVD) (ftKB)	Act Btm (TVD) (ftKB)
Conductor	20	14.0	60.0	8/23/2011	8/23/2011	14.0	60.0
Surface	12 1/4	60.0	2,675.0	8/23/2011	8/31/2011	60.0	2,672.7
Production	7 7/8	2,675.0	6,480.0	9/1/2011	9/9/2011	2,672.7	6,194.5

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)	Set Depth (TVD) (ftKB)
Conductor	16	0.25	Cond	60.0	60.0
Surface	8 5/8	32.00	J-55	2,665.0	2,662.8
Production	4 1/2	11.60	N-80	6,466.0	6,181.9

Cement

Conductor Cement, Casing, 8/23/2011 06:00

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Est Top (TVD) (ftKB)	Est Btm (TVD) (ftKB)	Class	Amount (sacks)	Yield (ft³/sack)	Dens (lb/gal)
Lead	14.0	60.0	14.0	60.0	G	60		

Surface Casing Cement, Casing, 8/31/2011 06:00

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Est Top (TVD) (ftKB)	Est Btm (TVD) (ftKB)	Class	Amount (sacks)	Yield (ft³/sack)	Dens (lb/gal)
Lead	14.0	2,000.0	14.0	1,998.9	G	419	2.81	11.60
Tail	2,000.0	2,665.0	1,998.9	2,662.8	G	134	1.47	14.20

Production Casing Cement, Casing, 9/8/2011 06:00

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Est Top (TVD) (ftKB)	Est Btm (TVD) (ftKB)	Class	Amount (sacks)	Yield (ft³/sack)	Dens (lb/gal)
Lead		6,466.0		6,181.9	Type III	564	2.50	12.50

Dump Bail, Plug, 10/4/2011 10:16

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Est Top (TVD) (ftKB)	Est Btm (TVD) (ftKB)	Class	Amount (sacks)	Yield (ft³/sack)	Dens (lb/gal)
Lead	6,145.0	6,150.0	5,891.9	5,896.5	G	2		

Dump Bail, Plug, 10/4/2011 10:16

Fluid	Est Top (ftKB)	Est Btm (ftKB)	Est Top (TVD) (ftKB)	Est Btm (TVD) (ftKB)	Class	Amount (sacks)	Yield (ft³/sack)	Dens (lb/gal)
Lead	6,258.0	6,260.0	5,994.6	5,996.4	G	1		

Tested Zones (Inter-formation designations for Patara G&G in-house use only)

Zone Name	Wellbore	Top Depth (ftKB)	Bottom Depth (ftKB)	Btm - Top (ftKB)
Honaker Trail 2	Original Hole	4,876.0	4,884.0	8.0

Status Date: 11/7/2011 Status: Flowing Fluid Type: Gas

Zone Name	Wellbore	Top Depth (ftKB)	Bottom Depth (ftKB)	Btm - Top (ftKB)
Honaker Trail 1	Original Hole	5,075.0	5,181.0	106.0

Status Date: 11/7/2011 Status: Flowing Fluid Type: Gas

Zone Name	Wellbore	Top Depth (ftKB)	Bottom Depth (ftKB)	Btm - Top (ftKB)
Hatch Limestone	Original Hole	5,989.0	6,022.0	33.0

Status Date: 11/7/2011 Status: Flowing Fluid Type: Gas

Zone Name	Wellbore	Top Depth (ftKB)	Bottom Depth (ftKB)	Btm - Top (ftKB)
Ismay	Original Hole	6,223.0	6,260.0	37.0

Status Date: 10/25/2011 Status: Abandoned Fluid Type:

Zone Name	Wellbore	Top Depth (ftKB)	Bottom Depth (ftKB)	Btm - Top (ftKB)
Hovenweep	Original Hole	6,272.0	6,304.0	32.0

Status Date: 10/4/2011 Status: Abandoned Fluid Type:

Perforation & Frac Summary

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
11/5/2011	4,876.0	4,884.0	Honaker Trail 2, Original Hole	4.0	33

Comment
Frac Treated 11/5/2011 w/17,776# 20/40 sand and N2 foam

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
11/4/2011	5,075.0	5,096.0	Honaker Trail 1, Original Hole	3.0	64

Comment
Frac Treated 11/4/2011 w/92,865# 20/40 sand and Co2 foam

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
11/4/2011	5,166.0	5,181.0	Honaker Trail 1, Original Hole	3.0	46

Comment
Frac Treated 11/4/2011 w/92,865# 20/40 sand and Co2 foam

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
10/25/2011	5,989.0	6,022.0	Hatch Limestone, Original Hole	2.0	67

Comment
Frac Treated 11/4/2011 w/31,767# 20/40 sand and N2 foam

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
10/4/2011	6,223.0	6,243.0	Ismay, Original Hole	2.0	41

Comment
Frac Treated 10/17/2011 w/30,780# 20/40 sand and 70Q N2 foam

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
9/21/2011	6,272.0	6,282.0	Hovenweep, Original Hole	2.0	21

Comment
DFIT Test - Abandoned

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
9/21/2011	6,287.0	6,289.5	Hovenweep, Original Hole	2.0	6

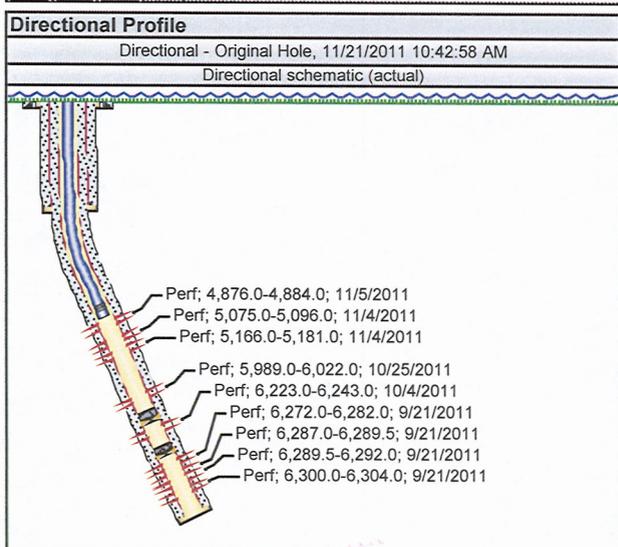
Comment
DFIT Test - Abandoned

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
9/21/2011	6,289.5	6,292.0	Hovenweep, Original Hole	2.0	6

Comment
DFIT Test - Abandoned

Date	Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (s...)	Calculated...
9/21/2011	6,300.0	6,304.0	Hovenweep, Original Hole	2.0	9

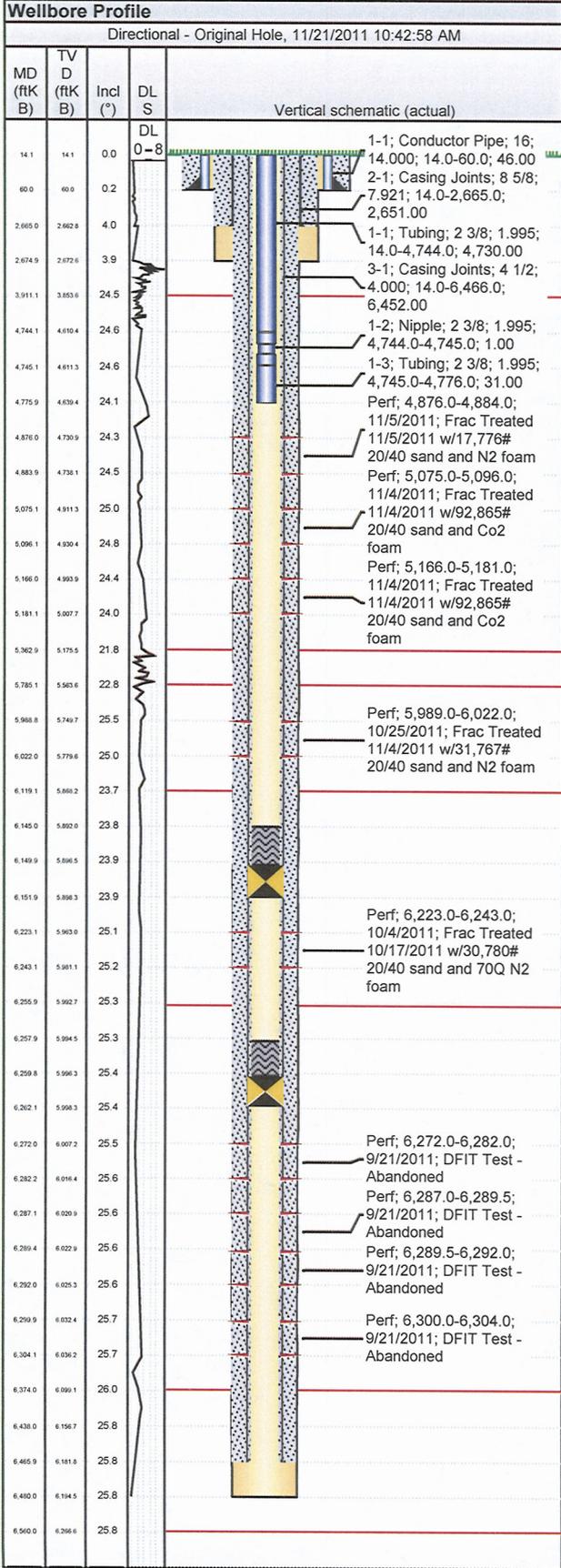
Comment
DFIT Test - Abandoned





Well Name: Middle Mesa Fed 4-20-30-25

API/UWI 43-037-50010	Surf Loc SWNW Lot 20 Sec. 4 T30S R25E	Lease UTU82680	Field Name Middle Mesa	State/Province Utah	Well Configuration Type Directional
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Tubing Strings

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing - Production	11/9/2011	4,762.00	4,776.0

Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing			T&C Upset	2 3/8	4.70	J-55	4,730.00
Nipple				2 3/8	4.70	J-55	1.00
Tubing			T&C Upset	2 3/8	4.70	J-55	31.00

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)

Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)

Other In Hole

Description	Top (ftKB)	Btm (ftKB)	Run Date	Comment
Bridge Plug - Permanent	6,260.0	6,262.0	10/3/2011	Abandon Ismay
Bridge Plug - Permanent	6,150.0	6,152.0	10/25/2011	Abandon Hovenweep

Production Volumes Test Date
Start Date: 11/6/2011 End Date: 11/7/2011

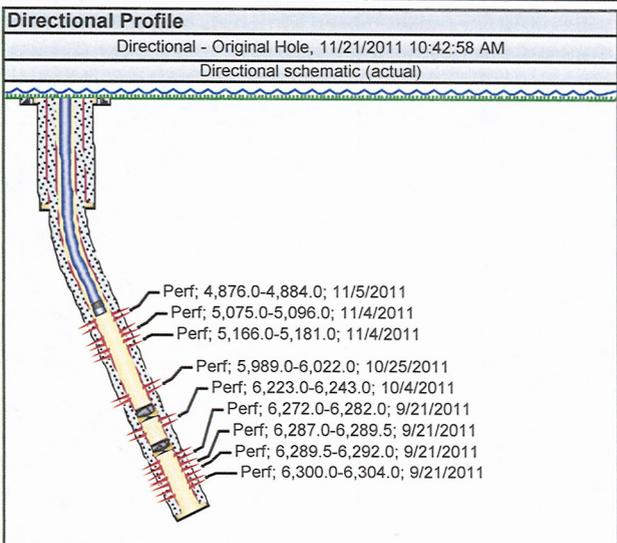
Gas Volume Over Test Date
Product Type: Reservoir Gas Volume (MCF): 3,600.000

Liquid Volumes Over Test Date
Production Type: Oil Volume (bbl): 72.0
Production Type: Water Volume (bbl): 48.0

API Gas Gravity
Comment: 0.746

API Oil Gravity
Comment:

Date of First Sales
On Production Date: 11/7/2011



Patara Oil & Gas, LLC

**San Juan County, UT
Section 4 T30S-R25E
Middle Mesa 4-20-30-25
Frontier #4**

Survey: Final Survey Reprot

Standard Survey Report

06 September, 2011

CRESCENT
DIRECTIONAL DRILLING

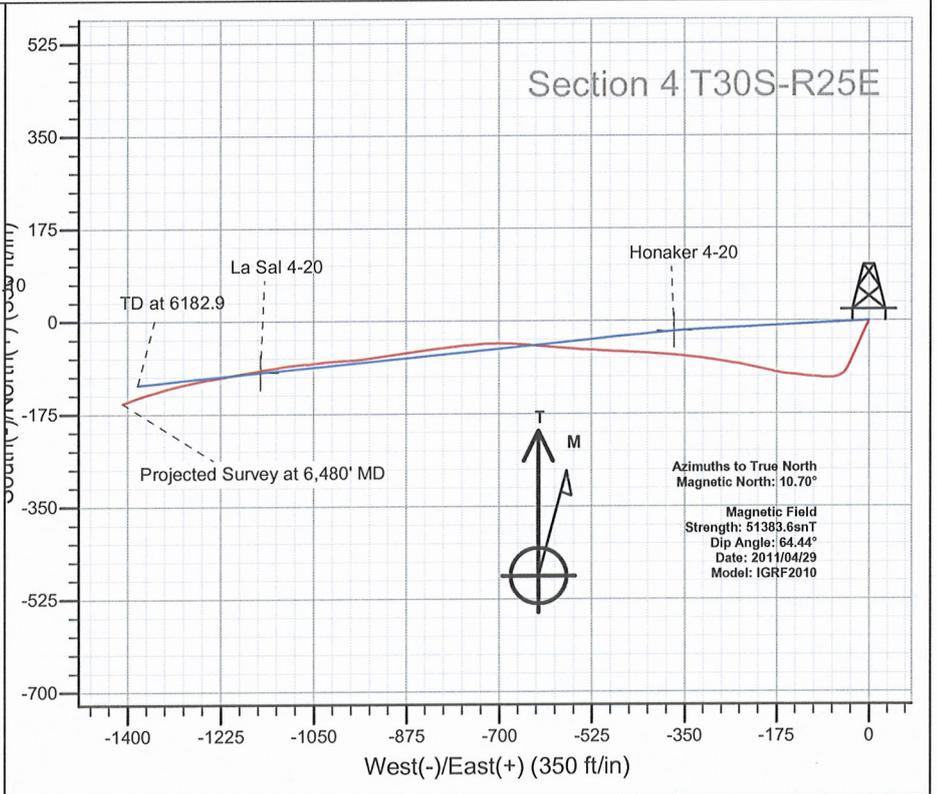
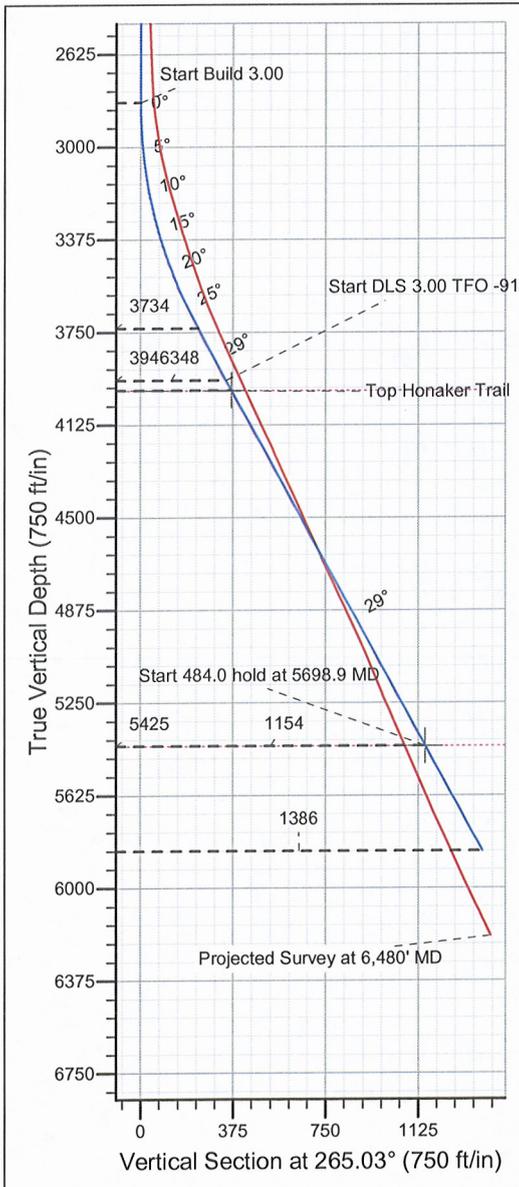
**Patara Oil & Gas, LLC
Middle Mesa 4-20-30-25
San Juan County, UT**



**Geodetic System: US State Plane 1927 (Exact solution)
Zone: Utah South 4303
WELL @ 6731.4ft (Original Well Elev)
Ground Level: 6731.4'
Latitude: 38° 12' 55.616 N
Longitude: 109° 11' 16.102 W
Magnetic North is 10.70° East of True North (Magnetic Declination)**

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2820.5	0.00	0.00	2820.5	0.0	0.0	0.00	0.00	0.0		
3773.5	28.59	267.11	3734.4	-11.7	-232.6	3.00	267.11	232.7		
4013.9	28.59	267.11	3945.5	-17.5	-347.5	0.00	0.00	347.7		
4058.9	28.59	264.30	3985.0	-19.1	-368.9	3.00	-91.10	369.2	Honaker 4-20	
5698.9	28.59	264.30	5425.0	-97.1	-1149.9	0.00	0.00	1154.0	La Sal 4-20	
76182.9	28.59	264.30	5850.0	-120.2	-1380.4	0.00	0.00	1385.6		

WELLBORE TARGET DETAILS (LAT/LONG)							
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape	
Honaker 4-20	3985.0	-19.1	-368.9	38° 12' 55.427 N	109° 11' 20.724 W	Point	
La Sal 4-20	5425.0	-97.1	-1149.9	38° 12' 54.656 N	109° 11' 30.510 W	Point	



Plan: Approved Plan (Middle Mesa 4-20-30-25/Frontier #4)

Created By: Mike Kirby Date: 7:47, September 06 2011

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

Crescent Directional Drilling, LP

Survey Report



Company: Patara Oil & Gas, LLC	Local Co-ordinate Reference: Well Middle Mesa 4-20-30-25
Project: San Juan County, UT	TVD Reference: WELL @ 6731.4ft (Original Well Elev)
Site: Section 4 T30S-R25E	MD Reference: WELL @ 6731.4ft (Original Well Elev)
Well: Middle Mesa 4-20-30-25	North Reference: True
Wellbore: Frontier #4	Survey Calculation Method: Minimum Curvature
Design: Frontier #4	Database: EDM 2003.16 Single User Db

Project San Juan County, UT
Map System: US State Plane 1927 (Exact solution) System Datum: Mean Sea Level
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: Utah South 4303

Site Section 4 T30S-R25E			
Site Position:	Northing: 572,151.92 ft	Latitude: 38° 12' 55.616 N	
From: Lat/Long	Easting: 2,664,271.70 ft	Longitude: 109° 11' 16.102 W	
Position Uncertainty: 0.0 ft	Slot Radius: "	Grid Convergence: 1.42 °	

Well Middle Mesa 4-20-30-25			
Well Position	+N/-S 0.0 ft	Northing: 572,151.92 ft	Latitude: 38° 12' 55.616 N
	+E/-W 0.0 ft	Easting: 2,664,271.70 ft	Longitude: 109° 11' 16.102 W
Position Uncertainty	0.0 ft	Wellhead Elevation: ft	Ground Level: 0.0 ft

Wellbore Frontier #4					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/04/29	10.70	64.44	51,384

Design Frontier #4					
Audit Notes:					
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0			
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	264.30	

Survey Program Date 2011/09/06					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
179.0	6,480.0	Final Survey Reprt (Frontier #4)	MWD		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
179.0	0.50	204.50	179.0	-0.7	-0.3	0.4	0.28	0.28	0.00
454.0	0.50	204.50	454.0	-2.9	-1.3	1.6	0.00	0.00	0.00
539.0	1.00	204.50	539.0	-3.9	-1.8	2.2	0.59	0.59	0.00
692.0	1.75	204.50	691.9	-7.2	-3.3	4.0	0.49	0.49	0.00
846.0	1.50	204.50	845.9	-11.2	-5.1	6.2	0.16	-0.16	0.00
1,222.0	2.50	204.50	1,221.6	-23.2	-10.6	12.8	0.27	0.27	0.00
1,349.0	2.00	204.50	1,348.5	-27.7	-12.6	15.3	0.39	-0.39	0.00
1,570.0	1.00	204.50	1,569.5	-33.0	-15.0	18.2	0.45	-0.45	0.00
1,878.0	4.00	204.50	1,877.1	-45.2	-20.6	25.0	0.97	0.97	0.00
2,162.0	2.00	204.50	2,160.7	-58.7	-26.8	32.5	0.70	-0.70	0.00
2,290.0	3.00	204.50	2,288.6	-63.8	-29.1	35.3	0.78	0.78	0.00
2,604.0	4.50	204.50	2,601.9	-82.5	-37.6	45.6	0.48	0.48	0.00

Crescent Directional Drilling, LP

Survey Report



Company: Patara Oil & Gas, LLC	Local Co-ordinate Reference: Well Middle Mesa 4-20-30-25
Project: San Juan County, UT	TVD Reference: WELL @ 6731.4ft (Original Well Elev)
Site: Section 4 T30S-R25E	MD Reference: WELL @ 6731.4ft (Original Well Elev)
Well: Middle Mesa 4-20-30-25	North Reference: True
Wellbore: Frontier #4	Survey Calculation Method: Minimum Curvature
Design: Frontier #4	Database: EDM 2003.16 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,641.0	4.00	204.50	2,638.8	-85.0	-38.7	47.0	1.35	-1.35	0.00	
Surveys from 179 to 2641' MD Inclination Only										
2,704.0	3.90	204.50	2,701.7	-88.9	-40.5	49.2	0.16	-0.16	0.00	
2,735.0	4.40	205.00	2,732.6	-91.0	-41.5	50.3	1.62	1.61	1.61	
2,767.0	5.00	213.30	2,764.5	-93.2	-42.7	51.8	2.83	1.87	25.94	
2,799.0	6.40	217.70	2,796.3	-95.8	-44.6	53.9	4.58	4.37	13.75	
2,830.0	7.50	226.30	2,827.1	-98.6	-47.1	56.7	4.88	3.55	27.74	
2,861.0	7.90	235.30	2,857.8	-101.2	-50.3	60.1	4.09	1.29	29.03	
2,893.0	8.50	246.00	2,889.5	-103.4	-54.3	64.3	5.12	1.87	33.44	
2,924.0	8.20	242.60	2,920.2	-105.4	-58.4	68.5	1.86	-0.97	-10.97	
2,955.0	8.50	259.40	2,950.8	-106.8	-62.6	72.9	7.90	0.97	54.19	
2,986.0	9.10	264.60	2,981.5	-107.4	-67.3	77.6	3.21	1.94	16.77	
3,018.0	10.40	269.10	3,013.0	-107.7	-72.7	83.0	4.71	4.06	14.06	
3,049.0	11.40	272.20	3,043.5	-107.7	-78.5	88.8	3.74	3.23	10.00	
3,080.0	12.60	275.10	3,073.8	-107.2	-85.0	95.2	4.33	3.87	9.35	
3,112.0	13.90	274.10	3,104.9	-106.7	-92.3	102.4	4.13	4.06	-3.12	
3,143.0	15.10	274.50	3,134.9	-106.1	-100.0	110.1	3.88	3.87	1.29	
3,175.0	16.00	274.90	3,165.8	-105.4	-108.6	118.5	2.83	2.81	1.25	
3,206.0	16.50	276.40	3,195.5	-104.5	-117.2	127.0	2.11	1.61	4.84	
3,237.0	17.20	277.40	3,225.2	-103.4	-126.1	135.8	2.44	2.26	3.23	
3,269.0	17.00	275.80	3,255.8	-102.3	-135.5	145.0	1.60	-0.62	-5.00	
3,301.0	16.80	274.80	3,286.4	-101.5	-144.7	154.1	1.10	-0.62	-3.12	
3,332.0	17.40	275.70	3,316.0	-100.7	-153.8	163.0	2.12	1.94	2.90	
3,364.0	18.00	278.20	3,346.5	-99.5	-163.5	172.5	3.03	1.87	7.81	
3,396.0	18.10	281.00	3,376.9	-97.8	-173.2	182.1	2.73	0.31	8.75	
3,428.0	19.20	283.60	3,407.3	-95.6	-183.2	191.8	4.31	3.44	8.12	
3,460.0	19.70	284.50	3,437.4	-93.0	-193.6	201.8	1.82	1.56	2.81	
3,491.0	19.60	283.50	3,466.6	-90.5	-203.7	211.7	1.13	-0.32	-3.23	
3,523.0	19.30	281.40	3,496.8	-88.2	-214.1	221.8	2.38	-0.94	-6.56	
3,554.0	19.90	282.40	3,526.0	-86.1	-224.3	231.7	2.22	1.94	3.23	
3,586.0	20.60	281.60	3,556.0	-83.8	-235.1	242.2	2.35	2.19	-2.50	
3,618.0	21.40	279.90	3,585.9	-81.6	-246.4	253.2	3.14	2.50	-5.31	
3,649.0	22.30	279.60	3,614.7	-79.7	-257.7	264.4	2.93	2.90	-0.97	
3,681.0	23.30	280.20	3,644.2	-77.6	-269.9	276.3	3.21	3.12	1.87	
3,712.0	23.80	279.00	3,672.6	-75.5	-282.2	288.3	2.23	1.61	-3.87	
3,743.0	23.90	278.70	3,700.9	-73.6	-294.5	300.4	0.51	0.32	-0.97	
3,775.0	24.70	278.30	3,730.1	-71.6	-307.6	313.2	2.55	2.50	-1.25	
3,806.0	25.20	277.90	3,758.2	-69.8	-320.5	325.9	1.70	1.61	-1.29	
3,838.0	25.00	276.80	3,787.2	-68.0	-334.0	339.1	1.59	-0.62	-3.44	
3,870.0	24.70	276.30	3,816.2	-66.5	-347.3	352.2	1.14	-0.94	-1.56	
3,901.0	24.50	275.00	3,844.4	-65.2	-360.2	364.9	1.86	-0.65	-4.19	
3,933.0	24.50	275.60	3,873.5	-64.0	-373.4	377.9	0.78	0.00	1.87	
3,965.0	24.50	274.10	3,902.7	-62.9	-386.6	390.9	1.94	0.00	-4.69	
3,997.0	24.40	273.00	3,931.8	-62.1	-399.8	404.0	1.46	-0.31	-3.44	
4,028.0	24.40	273.50	3,960.0	-61.3	-412.6	416.7	0.67	0.00	1.61	
4,033.6	24.47	273.43	3,965.1	-61.2	-414.9	418.9	1.40	1.29	-1.31	
Honaker 4-20										
4,059.0	24.80	273.10	3,988.2	-60.6	-425.5	429.4	1.40	1.29	-1.29	
4,091.0	25.10	273.90	4,017.2	-59.8	-439.0	442.7	1.41	0.94	2.50	
4,122.0	24.80	273.50	4,045.3	-58.9	-452.0	455.6	1.11	-0.97	-1.29	
4,154.0	24.50	272.50	4,074.4	-58.2	-465.3	468.8	1.61	-0.94	-3.12	
4,186.0	24.40	271.90	4,103.5	-57.7	-478.6	481.9	0.84	-0.31	-1.87	
4,218.0	24.80	273.30	4,132.6	-57.1	-491.9	495.1	2.21	1.25	4.37	
4,249.0	24.80	274.90	4,160.8	-56.2	-504.9	507.9	2.16	0.00	5.16	

Crescent Directional Drilling, LP

Survey Report



Company: Patara Oil & Gas, LLC
Project: San Juan County, UT
Site: Section 4 T30S-R25E
Well: Middle Mesa 4-20-30-25
Wellbore: Frontier #4
Design: Frontier #4

Local Co-ordinate Reference: Well Middle Mesa 4-20-30-25
TVD Reference: WELL @ 6731.4ft (Original Well Elev)
MD Reference: WELL @ 6731.4ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,281.0	24.60	273.40	4,189.9	-55.2	-518.2	521.1	2.06	-0.62	-4.69
4,312.0	24.40	272.50	4,218.1	-54.6	-531.0	533.8	1.37	-0.65	-2.90
4,344.0	24.40	271.80	4,247.2	-54.1	-544.2	546.9	0.90	0.00	-2.19
4,376.0	24.80	274.10	4,276.3	-53.4	-557.5	560.1	3.24	1.25	7.19
4,407.0	24.90	276.40	4,304.4	-52.2	-570.5	572.9	3.13	0.32	7.42
4,438.0	24.90	276.50	4,332.5	-50.7	-583.5	585.6	0.14	0.00	0.32
4,502.0	25.20	276.00	4,390.5	-47.8	-610.4	612.1	0.57	0.47	-0.78
4,565.0	25.10	274.20	4,447.6	-45.4	-637.1	638.4	1.22	-0.16	-2.86
4,628.0	24.50	274.00	4,504.7	-43.5	-663.4	664.5	0.96	-0.95	-0.32
4,691.0	24.50	270.60	4,562.1	-42.4	-689.5	690.3	2.24	0.00	-5.40
4,754.0	24.60	269.10	4,619.4	-42.5	-715.7	716.4	1.00	0.16	-2.38
4,785.0	23.90	267.20	4,647.6	-42.9	-728.4	729.1	3.38	-2.26	-6.13
4,816.0	23.50	264.30	4,676.0	-43.8	-740.9	741.5	3.97	-1.29	-9.35
4,847.0	23.70	264.30	4,704.4	-45.1	-753.2	754.0	0.65	0.65	0.00
4,879.0	24.40	264.70	4,733.7	-46.3	-766.2	767.0	2.25	2.19	1.25
4,911.0	25.10	264.90	4,762.7	-47.5	-779.5	780.4	2.20	2.19	0.62
4,943.0	25.40	264.30	4,791.7	-48.8	-793.1	794.0	1.23	0.94	-1.87
4,975.0	25.40	263.20	4,820.6	-50.3	-806.8	807.8	1.47	0.00	-3.44
5,007.0	25.10	261.70	4,849.5	-52.1	-820.3	821.4	2.21	-0.94	-4.69
5,038.0	24.70	261.30	4,877.6	-54.0	-833.2	834.4	1.40	-1.29	-1.29
5,069.0	25.10	262.20	4,905.8	-55.9	-846.1	847.5	1.78	1.29	2.90
5,101.0	24.70	260.70	4,934.8	-57.9	-859.4	860.9	2.34	-1.25	-4.69
5,133.0	24.50	259.90	4,963.9	-60.2	-872.6	874.2	1.21	-0.62	-2.50
5,165.0	24.40	261.90	4,993.0	-62.3	-885.6	887.4	2.61	-0.31	6.25
5,197.0	23.70	264.30	5,022.2	-63.8	-898.6	900.5	3.76	-2.19	7.50
5,228.0	23.20	263.10	5,050.7	-65.2	-910.8	912.8	2.23	-1.61	-3.87
5,260.0	22.70	262.00	5,080.1	-66.8	-923.2	925.3	2.06	-1.56	-3.44
5,291.0	22.20	261.70	5,108.8	-68.5	-934.9	937.1	1.65	-1.61	-0.97
5,323.0	21.60	260.60	5,138.5	-70.3	-946.7	949.0	2.27	-1.87	-3.44
5,355.0	21.60	262.50	5,168.2	-72.0	-958.4	960.8	2.19	0.00	5.94
5,386.0	22.20	264.80	5,197.0	-73.3	-969.9	972.4	3.38	1.94	7.42
5,418.0	23.50	267.40	5,226.5	-74.1	-982.3	984.8	5.14	4.06	8.12
5,450.0	23.70	267.60	5,255.8	-74.7	-995.1	997.6	0.67	0.62	0.62
5,481.0	23.70	265.90	5,284.2	-75.4	-1,007.5	1,010.0	2.20	0.00	-5.48
5,513.0	23.70	266.10	5,313.5	-76.3	-1,020.3	1,022.9	0.25	0.00	0.62
5,545.0	23.10	265.40	5,342.9	-77.2	-1,033.0	1,035.6	2.07	-1.87	-2.19
5,577.0	22.60	263.20	5,372.3	-78.5	-1,045.4	1,048.0	3.09	-1.56	-6.87
5,608.0	22.50	261.70	5,401.0	-80.0	-1,057.2	1,059.9	1.88	-0.32	-4.84
5,640.0	23.60	263.00	5,430.4	-81.7	-1,069.6	1,072.4	3.79	3.44	4.06
5,668.0	24.03	265.28	5,456.0	-82.9	-1,080.8	1,083.7	3.64	1.55	8.15
La Sal 4-20									
5,672.0	24.10	265.60	5,459.7	-83.0	-1,082.4	1,085.3	3.64	1.62	7.98
5,704.0	23.70	265.10	5,488.9	-84.0	-1,095.4	1,098.3	1.40	-1.25	-1.56
5,735.0	23.10	261.50	5,517.4	-85.5	-1,107.6	1,110.6	5.00	-1.94	-11.61
5,766.0	22.80	259.60	5,545.9	-87.5	-1,119.5	1,122.7	2.58	-0.97	-6.13
5,798.0	22.80	259.80	5,575.4	-89.7	-1,131.7	1,135.0	0.24	0.00	0.62
5,830.0	23.50	261.20	5,604.9	-91.7	-1,144.1	1,147.6	2.78	2.19	4.37
5,861.0	23.70	261.00	5,633.3	-93.7	-1,156.4	1,160.0	0.69	0.65	-0.65
5,893.0	23.60	258.80	5,662.6	-95.9	-1,169.0	1,172.8	2.78	-0.31	-6.87
5,924.0	24.40	259.80	5,690.9	-98.3	-1,181.4	1,185.3	2.89	2.58	3.23
5,956.0	25.10	261.50	5,720.0	-100.4	-1,194.6	1,198.7	3.12	2.19	5.31
5,988.0	25.50	260.10	5,748.9	-102.6	-1,208.1	1,212.3	2.25	1.25	-4.37
6,020.0	25.00	260.30	5,777.8	-104.9	-1,221.6	1,226.0	1.59	-1.56	0.62
6,051.0	24.50	261.40	5,806.0	-107.0	-1,234.4	1,238.9	2.19	-1.61	3.55
6,082.0	23.80	259.70	5,834.3	-109.1	-1,246.9	1,251.6	3.18	-2.26	-5.48

Crescent Directional Drilling, LP

Survey Report



Company: Patara Oil & Gas, LLC	Local Co-ordinate Reference: Well Middle Mesa 4-20-30-25
Project: San Juan County, UT	TVD Reference: WELL @ 6731.4ft (Original Well Elev)
Site: Section 4 T30S-R25E	MD Reference: WELL @ 6731.4ft (Original Well Elev)
Well: Middle Mesa 4-20-30-25	North Reference: True
Wellbore: Frontier #4	Survey Calculation Method: Minimum Curvature
Design: Frontier #4	Database: EDM 2003.16 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,115.0	23.70	258.40	5,864.5	-111.6	-1,259.9	1,264.8	1.62	-0.30	-3.94
6,146.0	23.80	256.60	5,892.9	-114.3	-1,272.1	1,277.2	2.36	0.32	-5.81
6,178.0	24.30	257.10	5,922.1	-117.3	-1,284.8	1,290.1	1.69	1.56	1.56
6,210.0	25.00	257.50	5,951.2	-120.2	-1,297.9	1,303.4	2.25	2.19	1.25
6,242.0	25.20	255.80	5,980.1	-123.3	-1,311.1	1,316.8	2.34	0.62	-5.31
6,274.0	25.50	255.40	6,009.1	-126.8	-1,324.3	1,330.4	1.08	0.94	-1.25
6,306.0	25.70	253.40	6,037.9	-130.5	-1,337.6	1,344.0	2.77	0.62	-6.25
6,337.0	25.80	253.60	6,065.8	-134.3	-1,350.6	1,357.2	0.43	0.32	0.65
6,369.0	26.00	252.50	6,094.6	-138.4	-1,363.9	1,370.9	1.63	0.62	-3.44
6,401.0	25.80	250.70	6,123.4	-142.8	-1,377.2	1,384.6	2.54	-0.62	-5.62
6,421.0	25.80	249.60	6,141.4	-145.7	-1,385.4	1,393.0	2.39	0.00	-5.50
6,480.0	25.80	249.60	6,194.5	-154.7	-1,409.4	1,417.8	0.00	0.00	0.00

Projected Survey at 6,480' MD

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
La Sal 4-20 - hit/miss target - Shape	0.00	0.00	5,425.0	-97.1	-1,149.9	572,026.39	2,663,124.54	38° 12' 54.656 N	109° 11' 30.510 W
- survey misses target center by 77.1ft at 5668.2ft MD (5456.2 TVD, -82.9 N, -1080.9 E)									
- Point									
Honaker 4-20 - survey misses target center by 65.4ft at 4033.6ft MD (3965.1 TVD, -61.2 N, -414.9 E)	0.00	0.00	3,985.0	-19.1	-368.9	572,123.67	2,663,903.37	38° 12' 55.427 N	109° 11' 20.724 W
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,641.0	2,638.8	-85.0	-38.7	Surveys from 179 to 2641' MD Inclination Only
6,480.0	6,194.5	-154.7	-1,409.4	Projected Survey at 6,480' MD

Checked By: _____	Approved By: _____	Date: _____
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CEMENT JOB REPORT



CUSTOMER Patara Oil & Gas, LLC			DATE 01-SEP-11		F.R.# 1001847701		SERV. SUPV. FRANCISCO P CASTILLO						
LEASE & WELL NAME MIDDLE MESA FED #4-20-30-25 - API 430375001001			LOCATION 4-30S-25E			COUNTY-PARISH-BLOCK San Juan Utah							
DISTRICT Grand Junction			DRILLING CONTRACTOR RIG # FRONTIER 4			TYPE OF JOB Surface							
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES							
8-5/8" Top Cem Plug, Nitrile cvr, Phe			Float Collar, Ball Valve, 8-5/8 - 8rd			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
			Float Shoe 8-5/8 - 8rd										
MATERIALS FURNISHED BY BJ													
Fresh Water						0	8.34	0	0	00:00	20		
PL+.04#/skSF+.25#/skCF+2#/skKS+5%A10+5%SMS+1#FS+10						419.6	11.6	2.81	16.15	03:17	210	161.44	
TypeIII+.04#/skSF+1%CaCl2						133.6	14.2	1.47	7.35	01:37	35	23.36	
Fresh Water						0	8.34	0	0	00:00	160		
Available Mix Water 800 Bbl.			Available Displ. Fluid 800 Bbl.			TOTAL					425	184.82	
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE			
12.25	20	2675	8.625	32	CSG	2664	J-55	2664	2616		0		
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
16	42.05	CSG	60	NO PACKER			0	0	8.625	8RD	WATER BASED MU	8.9	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER		
VOLUME	UOM	TYPE		WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
160	BBLs	Fresh Water		8.34	1000	0	0	0	0	2860	2288	RIG TANK	
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time:				Circulation Rate: BPM					
Mud Density In: 8.9 LBS/GAL				Mud Density Out: 8.9 LBS/GAL				PV & YP Mud In: 51		PV & YP Mud Out: 51			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation:		NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Displacement And Mud Removal													
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: .5 BBLs									
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: VISUAL									
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES									
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 30				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID					
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD													
Plugs													
Number of Attempts by BJ:				Competition:				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES									
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: FT				Bottom of Plug: FT					
Squeezes (Update Original Treatment Report for Primary Job)													
BLOCK SQUEEZE <input type="checkbox"/>				SHOE SQUEEZE <input type="checkbox"/>				TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>	
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				PSI Applied:		Fluid Weight: LBS/GAL			
Casing Test (Update Original Treatment Report for Primary Job)													
Casing Test Pressure: PSI				With LBS/GAL Mud				Time Held: Hours Minutes					
Shoe Test (Update Original Treatment Report for Primary Job)													
Depth Drilled out of Shoe: FT				Target EMW: LBS/GAL				Actual EMW: LBS/GAL					
Number of Times Tests Conducted:				Mud Weight When Test was Conducted: LBS/GAL									
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE													

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

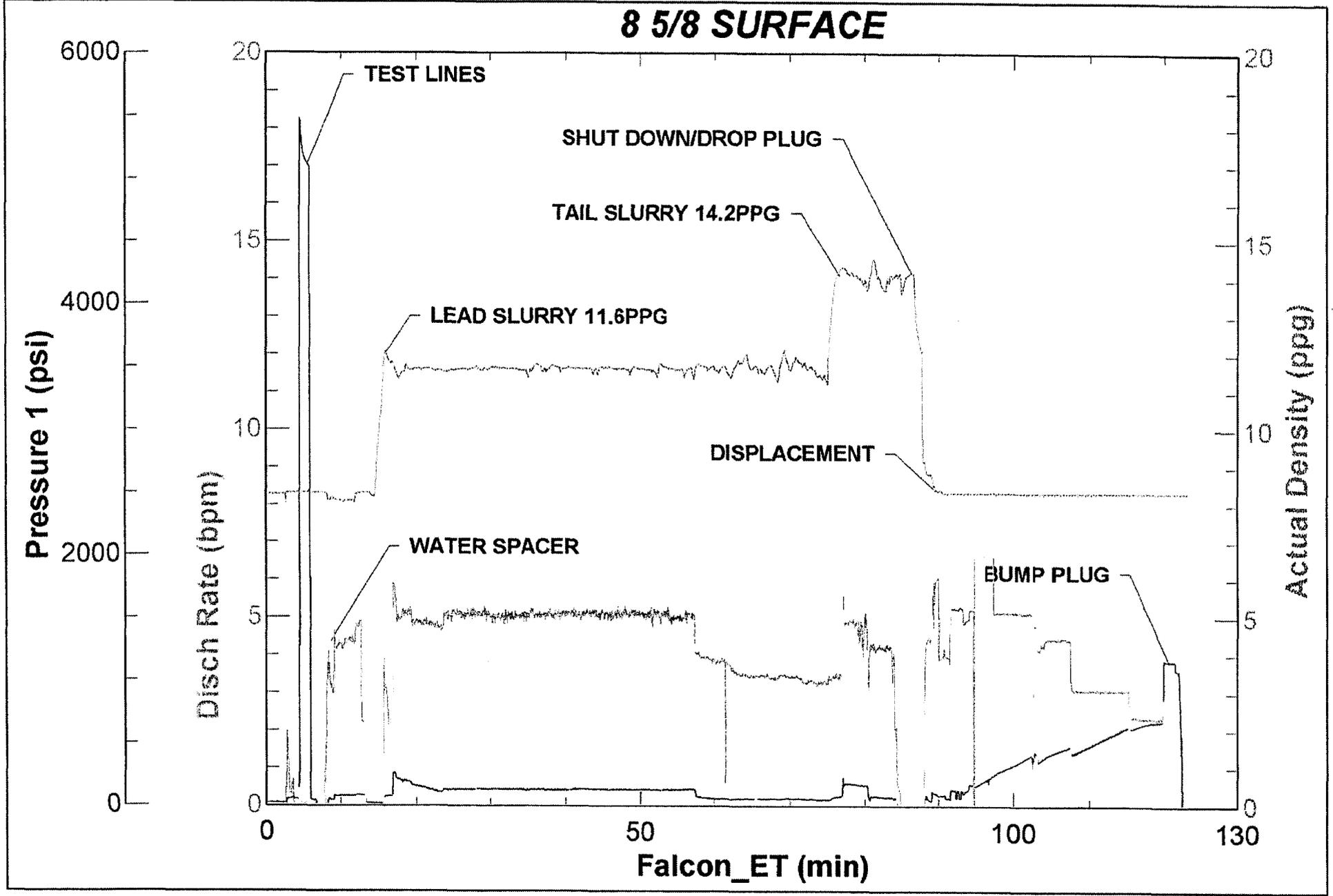
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

PRESSURE/RATE DETAIL						EXPLANATION			
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW		CO. REP.	
	PIPE	ANNULUS				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						TEST LINES 5300 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
18:05	0	0	0	0	0	CONVOY SAFETY MEETING			
18:22	0	0	0	0	0	LEAVE THE YARD			
22:00	0	0	0	0	0	ARRIVE ON LOCATION			
22:20	0	0	0	0	0	RIG UP SAFETY MEETING/RIG UP			
23:45	0	0	0	0	0	PRE-JOB SAFETY MEETING			
00:07	5300	0	1	1	WATER	TEST LINES			
00:15	97	0	4	20	WATER	FRESH WATER SPACER			
00:21	0	0	0	0	0	BATCH AND PUMP LEAD SLURRY 11.6PPG			
00:34	123	0	5	50	CEMENT	LEAD CEMENT SLURRY 11.6PPG			
00:43	125	0	5	100	CEMENT	LEAD CEMENT SLURRY 11.6PPG			
01:12	101	0	5	210	CEMENT	CIRCULATE CEMENT TO SURFACE 49BBLs OF 11.6PPG LEAD CEMENT SLURRY			
01:23	66	0	4.2	35	CEMENT	TAIL CEMENT SLURRY 14.2PPG			
01:32	0	0	0	0	0	SHUT DOWN/DROP PLUG			
01:36	0	0	0	0	0	BEGIN DISPLACEMENT			
01:45	265	0	5	50	WATER	DISPLACEMENT			
01:52	420	0	4.5	100	WATER	DISPLACEMENT			
01:55	425	0	3.2	110	WATER	DISPLACEMENT			
02:03	665	0	2.3	140	WATER	DISPLACEMENT			
02:08	1151	0	2.3	160	WATER	BUMP PLUG			
02:10	0	0	0	0	0	CHECK FLOATS/0.5BBLs FLOW BACK			
02:45	0	0	0	0	0	RIG DOWN SAFETY MEETING/RIG DOWN			
00:00	0	0	0	0	0	THANK YOU FOR YOUR BUSINESS FROM BHI CEMENT CREW			

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1151	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	49	425	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



8 5/8 SURFACE



CEMENT JOB REPORT



CUSTOMER PATARA OIL & GAS LLC			DATE 09-SEP-11		F.R. # 689110029		SERV. SUPV. JEREMIAH M DURAN					
LEASE & WELL NAME MIDDLE MESA FED #4-20-30-25 - API 430375001001			LOCATION 4-30S-25E			COUNTY-PARISH-BLOCK San Juan Utah						
DISTRICT Grand Junction			DRILLING CONTRACTOR RIG # FRONTIER 4			TYPE OF JOB Long String						
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES						
4-1/2" Top Cem Plug, Nitrile cvr, Phe			Float Shoe 4-1/2 - 8rd			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ												
Surfactant Wash							8.34				10	
MUD CLEAN							8.4				20	
Surfactant Wash							8.4				10	
35.65:6 Type III						564	12.5	2.5	11.36		216	131.21
TREATED WATER							8.34				99.9	
Available Mix Water 500 Bbl.			Available Displ. Fluid 300 Bbl.			TOTAL					355.9	131.21
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
7.875	5	5850	4.5	11.6	CSG	6466	P-110	6466	6427	0		
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.625	32	CSG	2628				0	0	4.5	8RD	FRESH WATER	8.34
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
100	BBLs	TREATED WATER	8.34	1370	0	0	0	0	8550	5000	DAY TANK	

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

PRESSURE/RATE DETAIL						EXPLANATION						
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW		CO. REP.				
	PIPE	ANNULUS				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TEST LINES	6000 PSI	CIRCULATING WELL - RIG	BJ	<input type="checkbox"/>
07:49												PRESSURE TEST LEAK
08:07	4220		0	0								PRESSURE TEST
08:09	15		0	0	SURFACT.							SPACER
08:14	238		2.2	10	MUD CLEAN							SPACER
08:21	436		3.9	30	SURFACT.							SPACER
08:24	577		5.9	40	SLURRY							CEMENT 12.5 PPG
08:32	249		5.9	80	SLURRY							CEMENT
08:44	304		6	140	SLURRY							CEMENT
08:51	261		5.1	190	SLURRY							CEMENT
09:12	219		0	256	WATER+C							DISPLACEMENT
09:22	21		4	256	WATER+C							DISPLACEMENT
09:29	199		4	286	WATER+C							DISPLACEMENT
09:32	800		5.5	306	WATER+C							DISPLACEMENT

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2026	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	.5	356	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

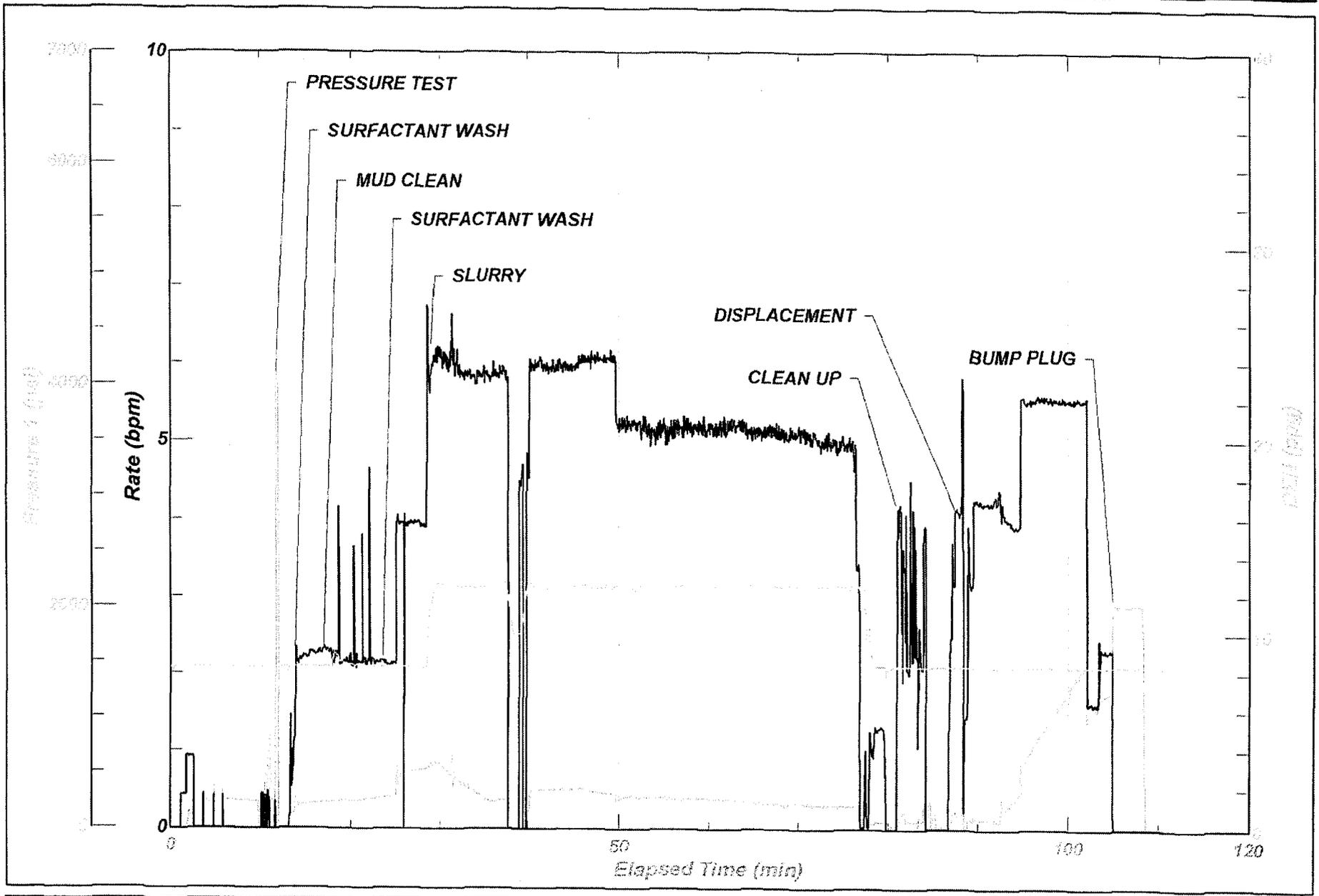


BJ Services JobMaster Program Version 3.50

Job Number: 689110029

Customer: PATARA OIL & GAS LLC

Well Name: MIDDLE MESA FEDERAL #4-20-30-25



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: utu84218	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: MIDDLE MESA	
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: MIDDLE MESA FED 4-20-30-25	
2. NAME OF OPERATOR: PATARA OIL & GAS, LLC		9. API NUMBER: 43037500100000	
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1900S , Denver, CO, 80202	PHONE NUMBER: 303 563-5364 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 5406 FNL 1225 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 30.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/17/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Site Security"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>Patara Oil & Gas has completed the placement of surface production equipment on the subject well, and the well is now, and/or has been, producing a continuous flow of hydrocarbons. Clean produced water is being hauled via truck to the disposal well located at Patara's Lisbon Gas Plant in La Sal, UT. Dirty produced water is being hauled via truck to the Ream's Construction 80 Ponds Treatment and Recycling Facility located in Naturita, CO. Any produced oil from the well is trucked off lease to a sales point and is sold to market. Please retain the attached site security diagrams and water haul maps for your records. Please contact Christopher Noonan with Patara with any questions or concerns.</p>			
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 18, 2012	
NAME (PLEASE PRINT) Christopher Noonan	PHONE NUMBER 303 563-5377	TITLE Production Technician	
SIGNATURE N/A		DATE 1/17/2012	



Patara Oil & Gas USA, Inc.
 Site Security Diagram
 Wellsite: Middle Mesa Fed 4-20-30-25
 SWSW Sec 4 T30S R25E
 San Juan County, Utah
 API#
 Lease# UTU 84218
 Date Drawn: 1/17/2012
 Filename: MM 4-20 SSD.dwg

NOTE:

1. DRAWING IS NOT TO SCALE
2. ACTUAL PHYSICAL LOCATION OF UNDERGROUND FLOW LINES MAY NOT BE ACCURATELY REPRESENTED ON THIS DRAWING. MAKE ONE CALL AND USE PIPE LOCATOR PRIOR TO DIGGING.

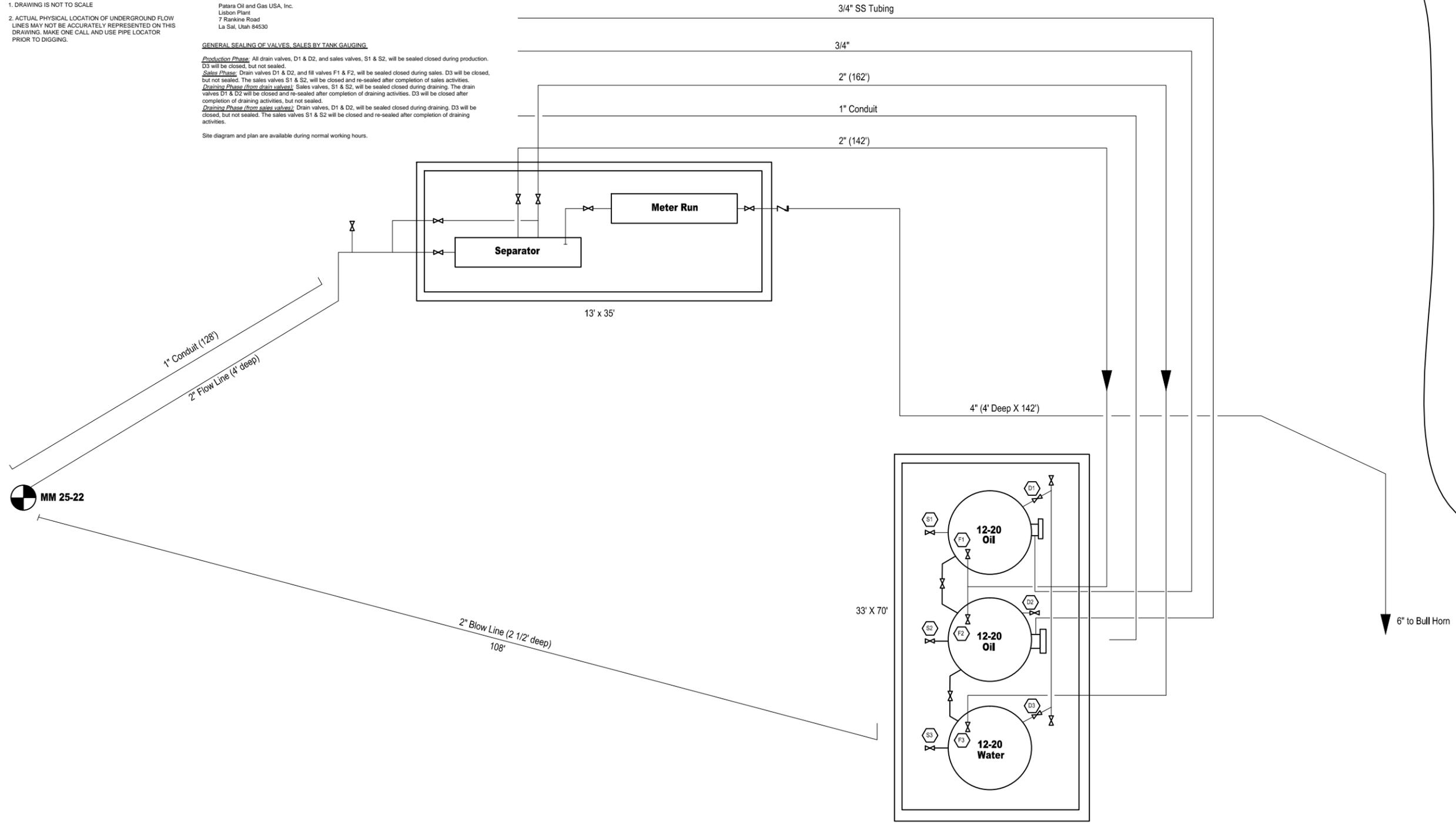
THIS LEASE IS SUBJECT TO THE SITE SECURITY PLAN.
 THE PLAN IS LOCATED AT:

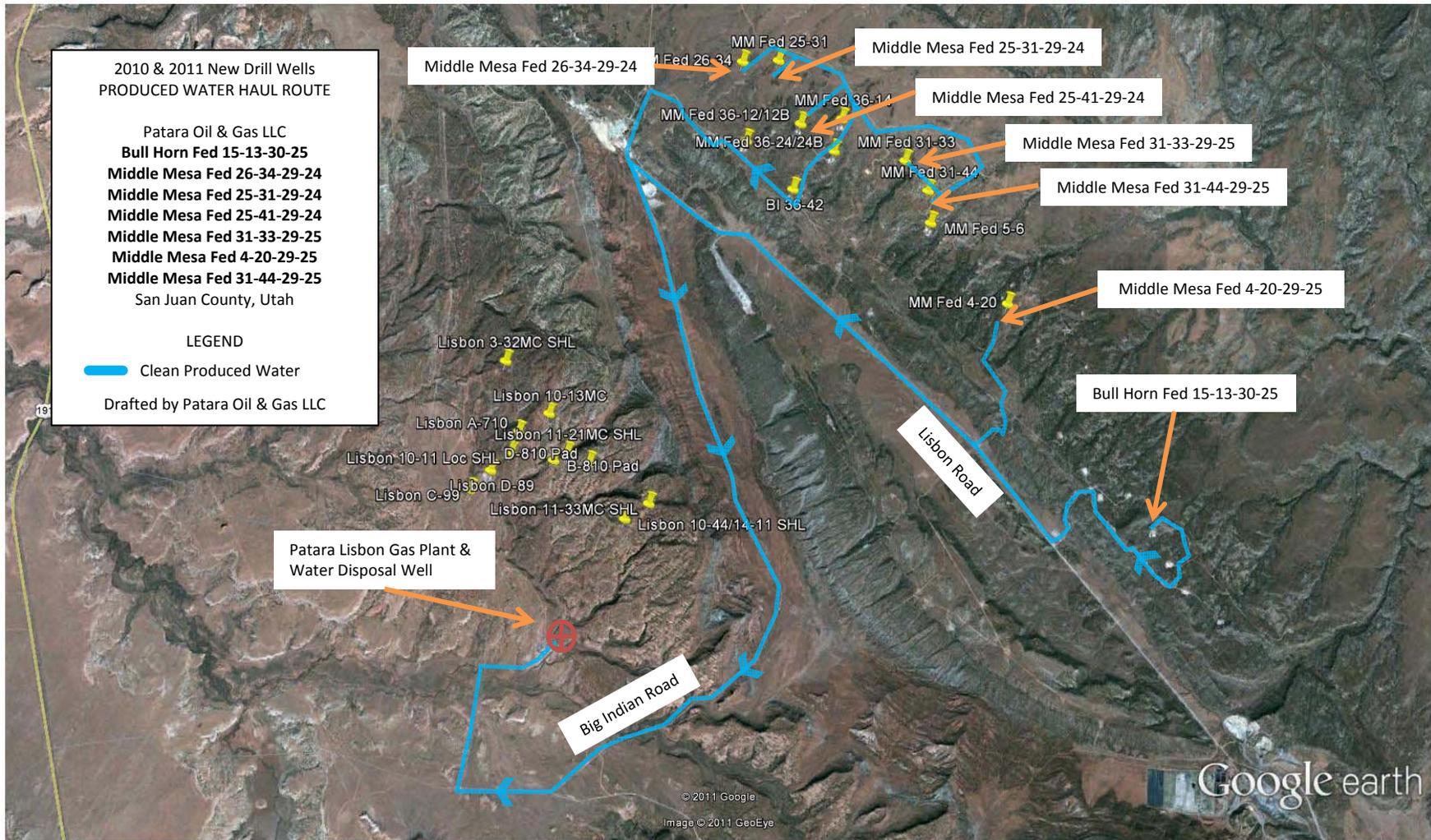
Patara Oil and Gas USA, Inc.
 Lisbon Plant
 7 Rankine Road
 La Sal, Utah 84530

GENERAL SEALING OF VALVES, SALES BY TANK GAUGING.

Production Phase: All drain valves, D1 & D2, and sales valves, S1 & S2, will be sealed closed during production. D3 will be closed, but not sealed.
Sales Phase: Drain valves D1 & D2, and fill valves F1 & F2, will be sealed closed during sales. D3 will be closed, but not sealed. The sales valves S1 & S2, will be closed and re-sealed after completion of sales activities.
Draining Phase (from drain valves): Sales valves, S1 & S2, will be sealed closed during draining. The drain valves D1 & D2 will be closed and re-sealed after completion of draining activities. D3 will be closed after completion of draining activities, but not sealed.
Draining Phase (from sales valves): Drain valves, D1 & D2, will be sealed closed during draining. D3 will be closed, but not sealed. The sales valves S1 & S2 will be closed and re-sealed after completion of draining activities.

Site diagram and plan are available during normal working hours.





Patara Oil & Gas LLC





Patara Oil & Gas LLC

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

11/1/2012

FROM: (Old Operator): N3670- Patara Oil & Gas, LLC 600 17th Street, Suite 1900S Denver, CO 80202 Phone: 1 (303) 825-0685	TO: (New Operator): N3645- CCI Paradox Upstream, LLC 600 17th Street, Suite 1900S Denver, CO 80202 Phone: 1 (303) 825-0685
---	--

WELL NAME	CA No.	SEC	TWN	RNG	Unit:	API NO	ENTITY NO	Middle Mesa	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List											

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/23/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/7/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/12/2013
- Is the new operator registered in the State of Utah: _____ Business Number: 8523441-0161
- (R649-9-2) Waste Management Plan has been received on: Not Yet
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 2/12/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 2/12/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/12/2013
- Bond information entered in RBDMS on: 2/7/2013
- Fee/State wells attached to bond in RBDMS on: 2/12/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 2/4/2013

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 105865919
- Indian well(s) covered by Bond Number: N/A
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 105865922
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Patara Oil Gas, LLC (N3670) to CCI Paradox Upstream, LLC (N3945)

Effective 11/1/2012

Middle Mesa Unit

Well Name	Section	TWN	RNG	API Number	Entity	Lease Type	Well Type	Well Status
MIDDLE MESA FED 30-41-29-25	30	290S	250E	4303731893		Federal	GW	APD
MIDDLE MESA FED 25-43-29-24	25	290S	240E	4303731901		Federal	GW	APD
MIDDLE MESA FED 26-23-29-24	26	290S	240E	4303731905		Federal	GW	APD
MIDDLE MESA FED 31-22-29-25	31	290S	250E	4303731909		Federal	GW	APD
MIDDLE MESA FED 31-11-29-25	31	290S	250E	4303731910		Federal	GW	APD
Middle Mesa Fed 31-42-29-25	31	290S	250E	4303750021		Federal	GW	APD
Middle Mesa Federal 5-8-30-25	05	300S	250E	4303750026		Federal	GW	APD
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	P
MIDDLE MESA ST 36-14-29-24	36	290S	240E	4303731838	15076	State	GW	P
MIDDLE MESA FED 5-6-30-25	05	300S	250E	4303731853	16375	Federal	GW	P
MIDDLE MESA FED 31-31-29-25	31	290S	250E	4303731854	15076	Federal	GW	P
MIDDLE MESA ST 36-12-29-24	36	290S	240E	4303731855	15076	State	GW	P
MIDDLE MESA ST 36-24-29-24	36	290S	240E	4303731856	15076	State	GW	P
MIDDLE MESA ST 36-12B-29-24	36	290S	240E	4303731877	15076	State	GW	P
MIDDLE MESA ST 36-24B-29-24	36	290S	240E	4303731878	15076	State	GW	P
MIDDLE MESA FED 5-10-30-25	05	300S	250E	4303731897	18802	Federal	GW	P
MIDDLE MESA FED 25-41-29-24	25	290S	240E	4303731902	17717	Federal	GW	P
MIDDLE MESA FED 25-31-29-24	25	290S	240E	4303731903	18159	Federal	GW	P
MIDDLE MESA FED 26-34-29-24	26	290S	240E	4303731904	18118	Federal	GW	P
MIDDLE MESA FED 31-44-29-25	31	290S	250E	4303731906	18213	Federal	GW	P
MIDDLE MESA FED 31-33-29-25	31	290S	250E	4303731907	18170	Federal	GW	P
MIDDLE MESA FED 4-20-30-25	04	300S	250E	4303750010	18193	Federal	GW	P

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [] GAS WELL [] OTHER Multiple Well Transfer
2. NAME OF OPERATOR: Patara Oil & Gas LLC
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S Denver CO 80202
4. LOCATION OF WELL: FOOTAGES AT SURFACE: n/a COUNTY: San Juan, UT STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
7. UNIT or CA AGREEMENT NAME: n/a
8. WELL NAME and NUMBER: Multiple
9. API NUMBER: n/a
10. FIELD AND POOL, OR WILDCAT: n/a

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for NOTICE OF INTENT, SUBSEQUENT REPORT, and various actions like ACIDIZE, ALTER CASING, OPERATOR CHANGE, etc.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC (Patara) hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, being effective November 1, 2012; CCI Paradox Upstream LLC (CCI).

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

NAME (PLEASE PRINT) Christopher A. Noonan TITLE Regulations & Production Reporting Supervisor
SIGNATURE [Signature] DATE 1/18/13

(This space for State use only)

APPROVED

FEB 12 2013

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

BY: Rachel Medina

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
2. NAME OF OPERATOR: CCI Paradox Upstream LLC <u>N3945</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>n/a</u>		8. WELL NAME and NUMBER: <u>Multiple</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: n/a
COUNTY: <u>San Juan, UT</u>		10. FIELD AND POOL, OR WILDCAT: n/a
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

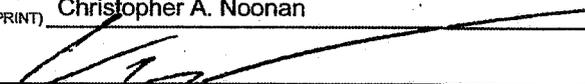
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/1/2012</u>	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC (CCI), hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, CCI, being effective November 1, 2012. The assets were previously operated by Patara Oil & Gas LLC (Patara) prior to sale.

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

Bond Number:
BLM: 105865919
State: 105865922

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Regulations & Production Reporting Supervisor</u>
SIGNATURE 	DATE <u>2/6/2012</u>

(This space for State use only)

APPROVED

FEB 12 2013

DIV. OIL GAS & MINING

BY: Rachel Medina

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FEB 07 2013

Div. of Oil, Gas & Mining

Exhibit I

BLM Form 3160-5 Transfer of Operator

Utah Form 9 Transfer of Operator

State of Utah Upstream Assets

01/09/2013

API Well Number	Operator	Well Name	Well Status	Well Type	Field Name	County	Qtr/Qtr	Section	Township-Range)
✓ 43-037-15049-00-00	PATARA OIL & GAS LLC	LISBON D-616	Shut-In	Oil Well	LISBON	SAN JUAN	NENE	16	30S-24E 1
✓ 43-037-15123-00-00	PATARA OIL & GAS LLC	LISBON B-615	Producing	Oil Well	LISBON	SAN JUAN	NENW	15	30S-24E 2
✓ 43-037-15769-00-00	PATARA OIL & GAS LLC	LISBON B912	Shut-In	Oil Well	LISBON	SAN JUAN	SESW	12	30S-24E 3
✓ 43-037-16219-00-00	PATARA OIL & GAS LLC	BIG INDIAN UNIT 1	Shut-In	Oil Well	BIG INDIAN (MADISON)	SAN JUAN	SENE	33	29S-24E 4
✓ 43-037-16221-00-00	PATARA OIL & GAS LLC	BIG INDIAN 4	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWSW	14	30S-25E 5
✓ 43-037-16237-00-00	PATARA OIL & GAS LLC	LISBON A-715	Inactive	Water Disposal Well	LISBON	SAN JUAN	SWNW	15	30S-24E 6
✓ 43-037-16240-00-00	PATARA OIL & GAS LLC	LISBON B-613	Shut-In	Oil Well	LISBON	SAN JUAN	NENW	13	30S-24E 7
✓ 43-037-16242-00-00	PATARA OIL & GAS LLC	LISBON B-616	Shut-In	Oil Well	LISBON	SAN JUAN	NESW	16	30S-24E 8
✓ 43-037-16244-00-00	PATARA OIL & GAS LLC	BELCO ST 4 (LISBON B-816)	Active	Water Disposal Well	LISBON	SAN JUAN	NESW	16	30S-24E 9
✓ 43-037-16245-00-00	PATARA OIL & GAS LLC	LISBON C-69	Shut-In	Oil Well	LISBON	SAN JUAN	NWNE	9	30S-24E 10

✓ 43-037-16247-00-00	PATARA OIL & GAS LLC	LISBON C-94	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	4	30S-24E 11
✓ 43-037-16250-00-00	PATARA OIL & GAS LLC	LISBON UNIT D-84	Shut-In	Oil Well	LISBON	SAN JUAN	NESE	4	30S-24E 12
✓ 43-037-16251-00-00	PATARA OIL & GAS LLC	LISBON D-89	Shut-In	Oil Well	LISBON	SAN JUAN	NESE	9	30S-24E 13
43-037-16469-00-00	PATARA OIL & GAS LLC	LISBON U B-610	Producing	Oil Well	LISBON	SAN JUAN	NENW	10	30S-24E 14
43-037-16471-00-00	PATARA OIL & GAS LLC	NW LISBON USA A-2 (D-810)	Producing	Gas Well	LISBON	SAN JUAN	NESE	10	30S-24E 15
43-037-30054-00-00	PATARA OIL & GAS LLC	LISBON B-84	Shut-In	Oil Well	LISBON	SAN JUAN	NESW	4	30S-24E 16
43-037-30082-00-00	PATARA OIL & GAS LLC	LISBON B-814	Active	Water Disposal Well	LISBON	SAN JUAN	NESW	14	30S-24E 17
43-037-30317-00-00	PATARA OIL & GAS LLC	FEDERAL 15-25	Shut-In	Gas Well	WILSON CANYON	SAN JUAN	SWSE	25	29S-23E 18
43-037-30693-00-00	PATARA OIL & GAS LLC	LISBON C-99	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	9	30S-24E 19
43-037-30694-00-00	PATARA OIL & GAS LLC	LISBON U D-610	Shut-In	Gas Well	LISBON	SAN JUAN	NENE	10	30S-24E 20
43-037-30695-00-00	PATARA OIL & GAS LLC	LISBON B-94	Shut-In	Oil Well	LISBON	SAN JUAN	SESW	4	30S-24E 21
43-037-31014-00-00	PATARA OIL & GAS LLC	LISBON UNIT A-911	Producing	Gas Well	LISBON	SAN JUAN	SWSW	11	30S-24E 22
43-037-31034-00-00	PATARA OIL & GAS LLC	LISBON UNIT D-716	Shut-In	Oil Well	LISBON	SAN JUAN	SENE	16	30S-24E 23
43-037-31323-00-00	PATARA OIL & GAS LLC	LISBON C-910	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	10	30S-24E 24
43-037-31351-00-00	PATARA OIL & GAS LLC	LISBON B-614A	Shut-In	Oil Well	LISBON	SAN JUAN	NENW	14	30S-24E 25
43-037-31433-00-00	PATARA OIL & GAS LLC	LISBON B-810	Producing	Oil Well	LISBON	SAN JUAN	NESW	10	30S-24E 26

43-037-31829-00-00	PATARA OIL & GAS LLC	BIG INDIAN 35-24	Shut-In	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	35	29S-24E 7
43-037-31831-00-00	PATARA OIL & GAS LLC	BULL HORN U 10-43	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWSE	10	30S-25E 8
43-037-31838-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-14-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENE	36	29S-24E 9
43-037-31843-00-00	PATARA OIL & GAS LLC	BULL HORN FED 9-14-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	9	30S-25E 30
43-037-31848-00-00	PATARA OIL & GAS LLC	BULL HORN FED 15-14-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	15	30S-25E 1
43-037-31849-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-21-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWSW	10	30S-25E 2
43-037-31850-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 14-21-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 3
43-037-31853-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 5-6-30-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	LOT6	5	30S-25E 4
43-037-31854-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-31-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSW	31	29S-25E 5
43-037-31855-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-12-29-24	Shut-In	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENW	36	29S-24E 6
43-037-31856-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-24-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	36	29S-24E 7
43-037-31859-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 15-24-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 8
43-037-31860-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 14-42-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SESW	14	30S-25E 9
43-037-31861-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-42-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SESW	10	30S-25E 40
43-037-31864-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-31-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWSW	10	30S-25E 1
43-037-31877-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-12B-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENW	36	29S-24E 2

43-037-31878-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-24B-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	36	29S-24E 3
43-037-31883-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 15-24B-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 4
43-037-31884-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 23-13B-30-25	Approved permit (APD); not yet spudded	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWNE	23	30S-25E 5
43-037-31885-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 23-13-30-25	Approved permit (APD); not yet spudded	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWNE	23	30S-25E 6
43-037-31891-00-00	PATARA OIL & GAS LLC	BULL HORN FED 15-13-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	15	30S-25E 7
43-037-31893-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 30-41-29-25	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWSW	30	29S-25E 8
43-037-31897-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 5-10-30-25	Spudded (Drilling commenced: Not yet completed)	Gas Well	SOUTH PINE RIDGE	SAN JUAN	LT10	5	30S-25E 9
43-037-31901-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-43-29-24	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWSE	25	29S-24E 10
43-037-31902-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-41-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SWSW	25	29S-24E 1
43-037-31903-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-31-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSW	25	29S-24E 2
43-037-31904-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 26-34-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NESW	26	29S-24E 3

43-037-31905-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 26-23-29-24	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWNE	26	29S-24E 4
43-037-31906-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-44-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SESE	31	29S-25E 5
43-037-31907-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-33-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSE	31	29S-25E 4
43-037-31909-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-22-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENW	31	29S-25E 7
43-037-31910-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-11-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWNW	31	29S-25E 8
43-037-50008-00-00	PATARA OIL & GAS LLC	CISCO STATE 36-13	Temporarily-Abandoned	Gas Well	WILDCAT	SAN JUAN	NWNE	36	31S-24E 9
43-037-50010-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 4-20-30-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SWNW	4	30S-25E 60
43-037-50012-00-00	PATARA OIL & GAS LLC	Lisbon 11-32MC	Returned APD (Unapproved)	Oil Well	UNDESIGNATED	SAN JUAN	SWNE	11	30S-24E 1
43-037-50013-00-00	PATARA OIL & GAS LLC	Lisbon 14-11MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NWNW	14	30S-24E 2
43-037-50014-00-00	PATARA OIL & GAS LLC	Lisbon 10-44MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NWNW	14	30S-24E 3

43-037-50015-00-00	PATARA OIL & GAS LLC	Lisbon 3-32MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NESE	4	30S-24E	4
43-037-50016-00-00	PATARA OIL & GAS LLC	Lisbon 11-33MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NENW	14	30S-24E	5
43-037-50017-00-00	PATARA OIL & GAS LLC	Lisbon 11-21MC	Approved permit (APD); not yet spudded	Gas Well	LISBON	SAN JUAN	NWSE	10	30S-24E	6
43-037-50018-00-00	PATARA OIL & GAS LLC	Lisbon 3-43MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	SESE	3	30S-24E	7
43-037-50019-00-00	PATARA OIL & GAS LLC	Lisbon 10-33MC	Spudded (Drilling commenced: Not yet completed)	Oil Well	LISBON	SAN JUAN	NWSE	10	30S-24E	8
43-037-50021-00-00	PATARA OIL & GAS LLC	Middle Mesa Fed 31-42-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SESW	31	29S-25E	9
43-037-50026-00-00	PATARA OIL & GAS LLC	Middle Mesa Federal 5-8-30-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENE	5	30S-25E	10



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

<http://www.blm.gov/ut/st/en.html>

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FEB 11 2015

DIV. OF OIL, GAS & MINING

IN REPLY REFER TO:
3180 (UTU82680A)
UT-922200

Ms. Kelsey Silipo
CCI Paradox Upstream, LLC
600 17th Street, Suite 1900S
Denver, Colorado 80202

Re: 5th Revision of the Hermosa Group PA
Middle Mesa Unit, San Juan County, Utah

Dear Ms. Silipo:

The 5th Revision of the Hermosa Group Participating Area (PA), Middle Mesa Unit, CRS No. UTU82680A, San Juan County, Utah, is hereby approved effective as of August 1, 2011 (the first of the month Well No. 26-34-29-24, API No. 43-037-31904, located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, of Section 26, Township 29 South, Range 24 East, Federal Lease No. UTU76053 had actual sales) pursuant to Section 11 of the Middle Mesa Unit Agreement.

This revision results in the addition of 200.00 acres to the 4th Revision of the Honaker Trail Participating Area for a total of 739.68 acres and is based upon the completion in the Honaker Trail and Ismay formations of Well No. 31-44-29-25, API No. 43-037-31906, located in SE $\frac{1}{4}$ SE $\frac{1}{4}$, of Section 31, Township 29 South, Range 25 East, Federal Lease No. UTU76335 and the completion in the Honaker Trail formation of Well No. 26-34-29-24, API No. 43-037-31904, located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, of Section 26, Township 29 South, Range 24 East, Federal Lease No. UTU76053. The participating area now covers the entire Hermosa Group. Both wells are capable of producing unitized substances in paying quantities.

The following wells should be reported to the Hermosa Group Participating Area effective August 1, 2011.

API	WELL NAME	Surface Location	LEASE
4303731838	36-14-29-24	0756 FNL 0760 FEL 36 T29.0S R24.0E	ML-37067
4303731853	5-6-30-25	1002 FNL 2284 FWL 05 T30.0S R25.0E	UTU-84218
4303731854	31-31-29-25	2126 FSL 0810 FWL 31 T29.0S R25.0E	UTU-84217
4303731855	36-12-29-24	1097 FNL 2216 FWL 36 T29.0S R24.0E	ST-UT-37067
4303731856	36-24-29-24	2569 FNL 1183 FEL 36 T29.0S R24.0E	ML-37067
4303731877	36-12B-29-24	1105 FNL 2228 FWL 36 T29.0S R24.0E	ST-UT-37067
4303731878	36-24B-29-24	2562 FNL 1172 FEL 36 T29.0S R24.0E	ST-UT-37067
4303731902	25-41-29-24	0360 FSL 0960 FWL 25 T29.0S R24.0E	UTU-76053
4303731903	25-31-29-24	2361 FSL 0900 FWL 25 T29.0S R24.0E	UTU-76053
4303731904	26-34-29-24	2011 FSL 0789 FEL 26 T29.0S R24.0E	UTU-76053
4303731906	31-44-29-25	0587 FSL 1207 FEL 31 T29.0S R25.0E	UTU-76335
4303731907	31-33-29-25	1873 FSL 1795 FEL 31 T29.0S R25.0E	UTU-76335
4303750021	31-42-29-25	0557 FSL 2344 FWL 31 T29.0S R25.0E	UTU-84217

For production and accounting reporting purposes, all submissions pertaining to the Hermosa Group PA shall refer to UTU82680A.

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 5th Revision of the Hermosa Group PA, Middle Mesa Unit, and its effective date.

Please direct any questions concerning this approval to Judy Nordstrom of this office at (801) 539-4108.

Sincerely,



Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR w/Exhibit B (Attn: Curtis Link)
BLM FOM - Moab w/enclosure



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>

IN REPLY REFER TO:
3180 (UTU82680X)
UT-922000

RECEIVED

APR 28 2015

Ms. Kelsey Silipo
CCI Paradox Upstream, LLC N3945
600 17th Street, Suite 1900S
Denver, Colorado 80202

MAY 01 2015

DIV. OF OIL, GAS & MINING

Re: Automatic Contraction
Middle Mesa Unit
San Juan County, Utah

Dear Ms. Silipo:

Your letter of April 13, 2015, describes the lands automatically eliminated effective October 1, 2013, from the Middle Mesa Unit Area, located in San Juan County, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 8,894.57 acres more or less, and constitute all legal subdivisions, no parts of which are included in the 5th Revision of the Hermosa Group Participating Area and the Initial Hermosa Participating Area "B". As a result of the automatic contraction, the unit is reduced to 899.68 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTU16577	UTU 78735
UTU76327	UTU 80058
UTU76776	UTU 84215
UTU77076	UTU84216
UTU77077	UTU87212
UTU77372	UTU87222
UTU77539	UTU88837*

*Indicates non-committed lease

The following Federal Leases are partially eliminated from the unit area.

UTU84217
UTU84218
UTU76053
UTU76335
UTU77538

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties.

If you have any questions, please contact Judy Nordstrom of this office at (801) 539-4108.

Sincerely,



for Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR w/Exhibit "B" (Attn: Curtis Link)
BLM Field Office Manager – Moab (UTY01) w/enclosure

Middle Mesa Unit Contraction
Effective 4/30/2015

Well Name	Section	TWN	RNG	API Number	Type	Status
BIG INDIAN 35-24	35	290S	240E	4303731829	GW	P
MIDDLE MESA FED 26-34-29-24	26	290S	240E	4303731904	GW	P
MIDDLE MESA FED 25-31-29-24	25	290S	240E	4303731903	GW	P
MIDDLE MESA FED 31-33-29-25	31	290S	250E	4303731907	GW	P
MIDDLE MESA FED 4-20-30-25	4	300S	250E	4303750010	GW	P
MIDDLE MESA FED 31-44-29-25	31	290S	250E	4303731906	GW	P
MIDDLE MESA FED 5-10-30-25	5	300S	250E	4303731897	GW	P
MIDDLE MESA FED 26-23-29-24	26	290S	240E	4303731905	GW	P
MIDDLE MESA FED 31-22-29-25	31	290S	250E	4303731909	GW	APD