

Stogner, Michael, EMNRD

From: Stogner, Michael, EMNRD
To: Richard Corcoran
Cc:
Subject: Jicarilla Apache 102 #8F
Attachments:

Sent: Wed 10/26/2005 1:29 PM

RE: pMES0-529839381

Please submit a copy of the directional drilling plan and proposed schematic drawing for this well. Please include the expected depth and corresponding subsurface location for this wellbore at the: (i) top of the Blanco-Mesaverde Pool; (ii) base of the Blanco-Mesaverde Pool; and (iii) top of the Basin-Dakota Pool.

CDX RIO, LLC

2010 Afton Place
Farmington, New Mexico 87401
(505) 326-3003 - Fax (505) 325-4007

November 1, 2005

Mr. Michael Stogner
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico

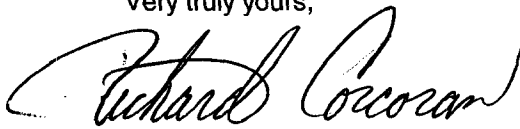
RE: pMESO-529839381
Jicarilla 102 #8F
430'FSL, 965'FEL, Section 3, T-26-N, R-4-W
Rio Arriba County, New Mexico

Dear Mr. Stogner,

Per your e-mail of Wednesday, October 26, 2005, attached are copies of the direction drilling plan and proposed schematic drawing for the subject well.

If you need more information, please let me know.

Very truly yours,



Richard Corcoran
Land Manager

RECEIVED
NOV - 3 2005
OIL CONSERVATION
DIVISION

CDX RIO, LLC
Proposed Jicarilla 102 8F
Schematic Drawing
Rio Arriba County, New Mexico

Surface Location:
430' FSL & 965' FEL
Sec 3, T26N, R4W, NMPM
Rio Arriba County, NM

9 5/8" Csg Cmtd to surface
w/137 sx or 174 cf class B
w/2% CaCl & 1/4#/sk
celloflake

9 5/8" 36# J-55 Csg Set
at 250' in 12 1/4" Hole

7" Csg Cmtd in 2 stages to
surface w/105 sx or 147 cf
class B followed by 410 sx or
787 cf Lite with DV Tool at
3550' MD.

7" 23# N-80 Csg Set at
4200' MD in 8 3/4" hole

7" Csg Point: 4200' MD, 4002' TVD
Location: 660' FNL & 2100' FEL
Sec 3, T26N, R4W, NMPM
Rio Arriba County, NM

4 1/2" Prod Liner w/
Top at 4080' MD Cmtd
to Liner Top w/260 sx
or 554 cf Lite-High
Strength Cmt

Top Blanco-Mesaverde Pool:
5049' MD, 4851' TVD
Subsurface Location:
660' FNL & 2100' FEL
Sec 3, T26N, R4W, NMPM
Rio Arriba County, NM

Base Blanco-Mesaverde Pool:
6473' MD, 6275' TVD
Subsurface Location:
660' FNL & 2100' FEL
Sec 3, T26N, R4W, NMPM
Rio Arriba County, NM

4 1/2" 11.6# N-80 Prod
Liner Set at 8228' MD,
8029' TVD in 6 1/4"
Hole

Top Basin-Dakota Pool:
7967' MD, 7769' TVD
Subsurface Location:
660' FNL & 2100' FEL
Sec 3, T26N, R4W, NMPM
Rio Arriba County, NM

**Jicarilla 102 No. 8F
General Drilling Plan
CDX Rio, LLC
Rio Arriba County, New Mexico**

1. LOCATION:

Surface: 430' FSL & 965' FEL, Section 3, T26N, R4W
Bottom Hole: 660' FNL & 2100' FEL, Section 3, T26N, R4W
 Both in Rio Arriba County, New Mexico
 UGL: 6880' Estimated KB: 6892'

Field: Blanco Mesa Verde and Basin Dakota
 Surface: Jicarilla Contract #102
 Minerals: Jicarilla Contract #102

Directional Plan: Drill a vertical 12 1/4" hole and set 9 5/8" surface casing at 250'.
 Drill out of surface casing with 8 3/4" bit, build angle and hold at an average of 19.5
 deg in a N 78.544 deg W direction, drop angel to vertical approximately 200' before
 setting 7" intermediate casing at 4200' MD; total horizontal displacement = 1158'.
 See 'Directional Plan Calculations' (Projected Deviation Survey) attached.

**2. SURFACE FORMATION – SAN JOSE, ESTIMATED TOPS AND WATER, OIL,
GAS OR MINERAL BEARING FORMATIONS (TVD):**

Formation Tops	Top MD/TVD (KB)	Top Subsea	Rock Type	Comments
Ojo Alamo Sandstone	3235/3036	3856	Sandstone	Possible Differential Sticking, Gas, Water
Kirtland Formation	3644/3445	3447	Shale	
Fruitland Formation	3728/3529	3367	Coal, Shale, Sandstone	Possible Lost Circulation Zone, Gas, Water
Pictured Cliffs Sandstone	3852/3653	3239	Sandstone	Possible Lost Circulation Zone, Gas, Water
Lewis Shale	3961/3762	3130	Shale	Sloughing Shale
Huerfanito Bentonite Bed	4299/4101	2791	Shale	
Chacra Interval	4757/4559	2333	Siltstone	Gas, Water
Top Blanco-Mesaverde Pool	5049/4851	2041	Shale	Subsurface Loc: 660' FNL & 2100' FEL
Cliff House Sandstone (MVRD)	5509/5311	1581	Sandstone	Possible Lost Circulation, Gas, Water
Menefee Member (MVRD)	5617/5419	1473	Coal, Sandstone, Shale	Possible Lost Circulation, Gas, Water
Point Lookout Sandstone (MVRD)	5973/5775	1117	Sandstone	Possible Lost Circulation, Gas, Water
Mancos Shale	6187/5989	903	Shale	Sloughing Shale
Base of Blanco-Mesaverde Pool	6473/6275	617	Shale	Subsurface Loc: 660' FNL & 2100' FEL
Gallup Formation (GLLP)	7169/6971	-79	Limy-Siltstone, Shale	Gas, Oil
Greenhorn Limestone	7911/7713	-821	Limestone	Gas, Oil
Top of Basin-Dakota Pool	7967/7769	-877	Shale	Subsurface Loc: 660' FNL & 2100' FEL
Graneros Shale (DKOT)	7967/7769	-877	Shale	Gas, Oil, Water
Two Wells Sandstone (DKOT)	7989/7791	-899	Sandstone	Gas, Oil, Water
Paguate Sandstone (DKOT)	8104/7906	-1014	Sandstone	Gas, Oil, Water
Upper Cubero Sandstone (DKOT)	8130/7932	-1040	Sandstone	Gas, Oil, Water
Lower Cubero (DKOT)	8167/7969	-1077	Shale, Sandstone	Gas, Oil, Water
Burro Canyon (DKOT)	8237/8039	-1147	Sandstone	Gas, Water (Avoid), Poss Under-pressure
Morrison Formation			Shale, Sandstone	Gas, Water, Possible Under-pressure
Proposed TD	8228/8029	-1137		

CDX RIO, LLC **Directional Plan Calculations (Projected Deviation Survey)** Jicarilla 102 No. 8F
 Surface Location: 430' FSL & 965' FEL, Sec 3, T26N, R4W, NMPM
 Bottom Hole Location: 660' FSL & 2100' FEL, Sec 3, T26N, R4W, NMPM
 Both in Rio Arriba County, New Mexico
 UGL: 6880' Estimated KB: 6892'

Interpolation							
8,228.00	0.00	0.00	8,029.98	229.94	-1,134.75	0.00	1,157.82
MD	Incl.	Azi.	TVD	North	East	DLS	Vertical Section
ft	degree	degrees	ft	ft	ft	deg/100	ft
0.00	0.00	0.00	0.00	0.00	0.00		
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00
600.00	19.90	281.46	595.00	8.54	-42.12	7.96	42.98
3,749.00	19.90	281.46	3,555.97	221.40	-1,092.63	0.00	1,114.84
3,999.00	0.00	0.00	3,800.98	229.94	-1,134.75	7.96	1,157.82
4,199.00	0.00	0.00	4,000.98	229.94	-1,134.75	0.00	1,157.82
4,299.00	0.00	0.00	4,100.98	229.94	-1,134.75	0.00	1,157.82
4,758.00	0.00	0.00	4,559.98	229.94	-1,134.75	0.00	1,157.82
5,510.00	0.00	0.00	5,311.98	229.94	-1,134.75	0.00	1,157.82
5,618.00	0.00	0.00	5,419.98	229.94	-1,134.75	0.00	1,157.82
5,974.00	0.00	0.00	5,775.98	229.94	-1,134.75	0.00	1,157.82
6,188.00	0.00	0.00	5,989.98	229.94	-1,134.75	0.00	1,157.82
7,170.00	0.00	0.00	6,971.98	229.94	-1,134.75	0.00	1,157.82
7,912.00	0.00	0.00	7,713.98	229.94	-1,134.75	0.00	1,157.82
7,968.00	0.00	0.00	7,769.98	229.94	-1,134.75	0.00	1,157.82
7,990.00	0.00	0.00	7,791.98	229.94	-1,134.75	0.00	1,157.82
8,105.00	0.00	0.00	7,906.98	229.94	-1,134.75	0.00	1,157.82
8,131.00	0.00	0.00	7,932.98	229.94	-1,134.75	0.00	1,157.82
8,168.00	0.00	0.00	7,969.98	229.94	-1,134.75	0.00	1,157.82
8,238.00	0.00	0.00	8,039.98	229.94	-1,134.75	0.00	1,157.82

CDX RIO, LLC Jicarilla 102 8F

