Form 3160-3 (April 2004) RECEIVED

APR 29 2011

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

6. If Indian, Allotee or Tribe Name

) .	Lease Serial No.
	NM-78060

BUREAU OF LAND MANAGEMENT armington Field Office APPLICATION FOR PERMIT TO DRILLLOR REENTER Management

UNITED STATES DEPARTMENT OF THE INTERIOR

TER		7 If Unit or CA Agreement, 1	lame and No.
D X Single Zone Multip	ple Zone		WD #2
		9. API Well No. 30-045-35	281
3b. Phone No. (include area code)		10. Field and Pool, or Explorate	ory
505-325-1821		Entrada SWD	
try State requirements.*)		11. Sec., T. R. M. or Blk. and S	urvey or Area
Lat.36.28369 N	ŀ	Sec. 26, T2	4N, R10W
Long. 107.86301	W	NMPM	
,		12. County or Parish	13. State
ngton, New Mexico		San Juan	NM
16. No. of acres in lease	17. Spacing	g Unit dedicated to this well	
760-acres	N	.A.	
19. Proposed Depth	20. BLM/E	BLM/BIA Bond No.	
7260-ft. On File		n File	
22. Approximate date work will star ASAP	rt*	23. Estimated duration 5-Days	
24. Attachments			
ore Oil and Gas Order No.1, shall be a	ttached to thi	s form:	
4. Bond to cover the ltem 20 above).	Re operation	ns unless covered by an existing	bond on file (se
6. Such other site	specific info	ormation and/or plans as may be	required by the
Name (Printed/Typed) Kurt Fagrel	ius	Date 4 -	27-2011
			/
Name (Printed/Typed)		Date	7/6/1
Office PC)		
ds legal or equitable title to those righ	its in the subj	ject lease which would entitle the	applicantto
	3b. Phone No. (include area code) 505-325-1821 The State requirements.*) Lat. 36. 28369 N Long. 107.86301 Ington, New Mexico 16. No. of acres in lease 760-acres 19. Proposed Depth 7260-ft. 22. Approximate date work will state ASAP 24. Attachments The Oil and Gas Order No.1, shall be a state of the covert litem 20 above). 5. Operator certification of the covert litem 20 above). Name (PrintedTyped) Kurt Fagrel Name (PrintedTyped) Office	3b. Phone No. (include area code) 505-325-1821 my State requirements.*) Lat. 36.28369 N Long. 107.86301 W ngton, New Mexico 16. No. of acres in lease 760-acres 19. Proposed Depth 7260-ft. 22. Approximate date work will start* ASAP 24. Attachments ore Oil and Gas Order No.1, shall be attached to the least of the cover the operation least 20 above). 5. Operator certification 6. Such other site specific information authorized officer. Name (Printed/Typed) Kurt Fagrelius Name (Printed/Typed) Office	8. Lease Name and Well No. St. Moritz St. Mo

2(Instructions on page 2)

A water based gel-mud will be used to drill surface and production casing hole. Standard 2,000 psi BOP will be used to drill production hole. The Entrada Sandstone will be completed from approximately 6960' - 7125'. The interval will be stimulated with acid.

* Requires SWD order and approval from SF*

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165 4

SEP 2 0 2011

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NOTIFY AZTEC OCD 24 HRS. NMOCORIOR TO CASING & CEMENT

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

District I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005 Instructions on back Submit to Appropriate District Office

District II 1301 W Grand Avenue, Artesia, NM 88210 District III

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S St. Francis Dr., Santa Fe, NM 87505

Santa Fe. NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	³Pool Name	
30-045-35281	96436	ENTRADA SWD	
¹Property Code	*Property Name		*Well Number
38820	ST. MORITZ SWD		2
'OGRID No	*Operator Name		"Elevation
006515	DUGAN PRODUCTION	N CORPORATION	6748

¹⁰ Surface Location UL or lot no. Section Township Range Lot Idn Feet from the County North/South line Fast/West line Feet from the 26 24N 10W 2200 SOUTH 1780 **EAST** SAN JUAN ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County ¹² Dedicated Acres 13 Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

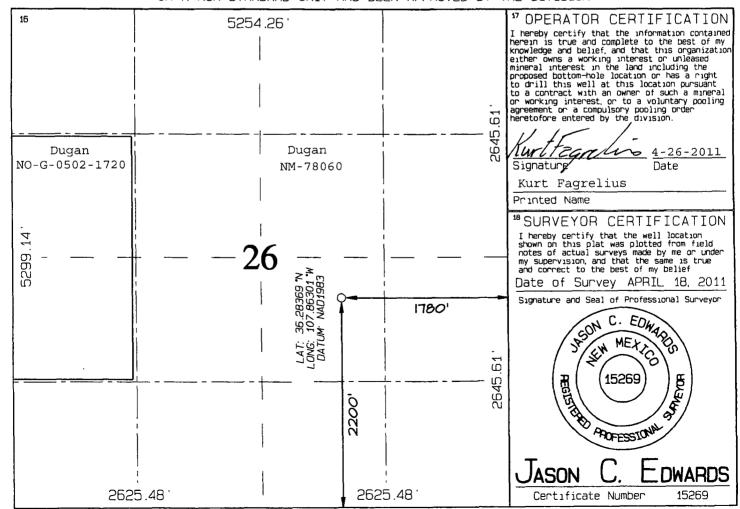


EXHIBIT B OPERATIONS PLAN

St. Moritz SWD #2

APPROXIMATE FORMATION TOPS:

Ojo Alamo	480′	Gallup	4530 ′
Kirtland	565 ′	Skelly	4740 ′
Fruitland	970 ′	Greenhorn	5625 ′
Pictured Cliffs	1275 ′	Graneros	5690 ′
Lewis	1425 ′	Dakota	5725 ′
Cliff House	2025 ′	Morrison	6005 ′
Menefee	2585 ′	Bluff	6530 ′
Point Lookout	3710 ′	Todilto	6905 ′
Mancos	3885 ′	Entrada	6960 ′
		Chinle	7125′
	T	otal Depth	7260′

Catch samples every 30-foot from surface to 4500-feet; every 10-foot from 4500-4900 feet; every 30-foot from 4900-6800 feet; and every 10-foot from 6800-feet to total depth.

LOGGING PROGRAM:

Run cased hole GR-CCL-CNL from total depth to surface.

CASING PROGRAM:

Hole	Casing		Setting	Grade and
Size	Size	Wt./ft. '	Depth	Condition
12-1/4"	8-5/8"	24#	360 ′	J-55
7-7/8"	5-1/2"	15.5#	6500 ′	J-55
7-7/8"	5-1/2"	17.0#	7260 ′	J-55

Plan to drill a 12-1/4" hole and set 360' of 8-5/8" OD, 24#, J-55 surface casing. Then plan to drill a 7-7/8" hole to total depth (7,260-ft) with gel-water mud program. K-55 production casing will be run and cemented in two stages with DV tool set at 4085' (200' below base of Point Lookout). Cased hole GR-CCL-CNL log will be run. Injection zone will be perforated and acidized. After completion, the well will be cleaned out and injection equipment will be installed.

CEMENTING PROGRAM:

Surface:

Cement to surface with 325-cf (275-sks) of Type 5 cement with 2% CaCl₂ with $\frac{1}{4}\#$ cello-flake/sk. Circulate to surface.

1st Stage:

10-bbls mud flush followed by 10-bbls water followed by 400-cf (210-sks) Premium Light w/5#/sk of Gilsonite & 0.5% fluid loss additive; followed by 400-cf (307-sks) 50/50 Poz Standard w/2% gel & 5#/sk of Gilsonite & 0.5% fluid loss additive. Circulate to surface.

4

2nd Stage:

10-bbls chemical wash followed by 600-cf (312-sks) 65/35 Class G Poz w/6% Gel & 5#/sk of Gilsonite; followed by 400-cf (308-sks) 50/50 Standard Poz w/2% gel, 5#/sk of Gilsonite and 0.5% fluid-loss additive. Circulate to surface.

Total cement for both stages is 1800-cf.

An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement. An adequate number of casing centralizers will be run through useable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers will be determined based on API standards. Centralizers to impart a swirling action around the casing will be used just below and into the base of the lowest usable water zone. These devices will assist mud displacement, increase cement bonding potential and create an effective hydraulic seal. A chronological log will be kept which records the pump rate, pressure, slurry density, and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

Maximum Anticipated Bottom Hole Pressure - 3,000-psi.

Drilling Fluid - will be fresh water with bentonite 8.9#/gal.

WELLHEAD EQUIPMENT:

Huber 8-5/8"x5-1/2" casing head, 3000# WP, tested to 6000#. Huber 5-1/2"x2-7/8" tubing head, 3000# WP, tested to 6000#.

Blow-Out Preventer Equipment (BOPE): Exhibit D.

Annular preventer, double ram, or 2 rams with one being blind and one being a pipe ram.

Kill line (2" minimum)

1 kill line valve (2" minimum)

1 choke line valve

2 adjustable chokes

Upper kelly cock valve with handle available.

Safety valve and subs to fit all drill string connections in use.

Pressure gauge on choke manifold.

2" minimum choke line.

Fill-up line.

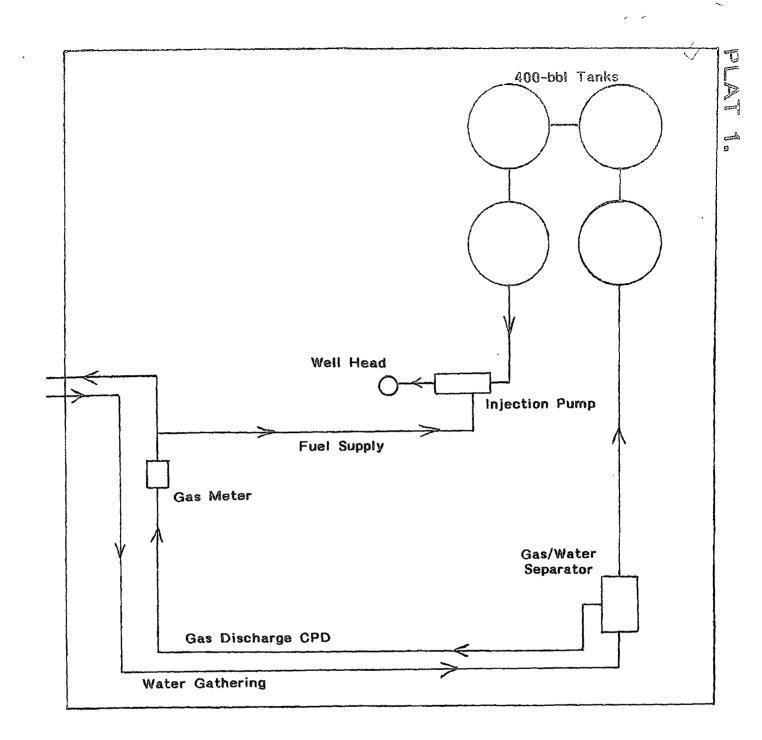
Working pressure for all BOPE will be 3,000 psi or greater.

Will test BOPE (blind rams, pipe rams, choke manifold and surface casing) separately. Each test will include a low pressure test to 250-psig held for five minutes and a high pressure test to 800-psig held for thirty minutes (with no more than a 10-percent pressure drop during the duration of the tests). If a 10-percent or greater pressure drop occurs; a packer will be run to isolate the surface casing and BOPE to locate the source of the leak.

Contacts: Dugan Prod. Corp. Office & Radio Dispatch: 325-1821

Mark Brown	Kurt Fagrelius	John Alexander		
3 27-3632 (H)	325-4327 (H)	325-6927 (H)		
320-8247 (M)	320-8248 (M)	320-1935 (M)		

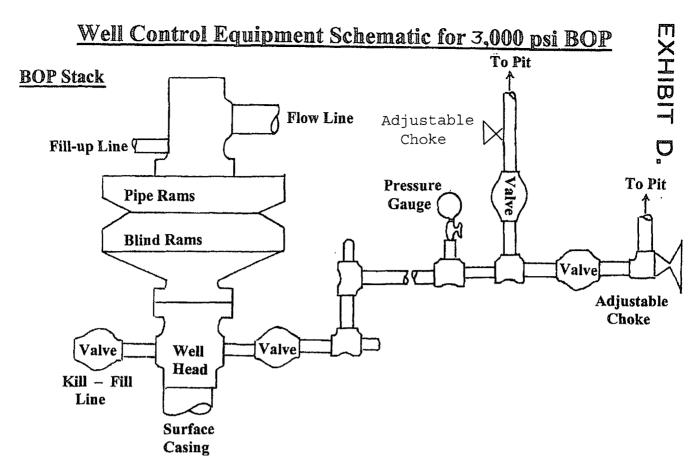
<u>Jerald Wright</u> 632-5150 (H) 330-9585 (M)

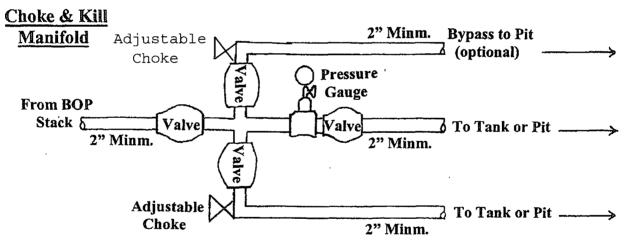


Anticipated Disposal Facilities

Entrada Saltwater Disposal Well

DUGAN PRODUCTION CORP. St. Moritz SWD #2





Working Pressure for all equipment is 3,000 psi or greater

DUGAN PRODUCTION CORP.
St. Moritz SWD #2

Ç.