UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	FORM APPROVED
	OMB NO. 1004-0135
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SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

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OCD	NIVINIOS4070TA

abandoned wer							
SUBMIT IN TRIE	7. If Unit or CA/Agree	ment, Name an	d/or No.				
Type of Well Oil Well	8. Well Name and No. TOP GUN FEDER	AL SWD 1					
Name of Operator MEWBOURNE OIL COMPAN	9. API Well No. 30-015-31075-0	D-X1	-				
3a. Address P O BOX 5270 HOBBS, NM 88241	-	10. Field and Pool, or I SALT WATER D		SWD)			
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)	1			11. County or Parish, a	nd State	
Sec 18 T23S R27E NENE 660	FNL 660FEL				EDDY COUNTY	, NM	
12. CHECK APPR	OPRIATE BOX(ES) TO	INDICATE	NATURE OF 1	NOTICE, I	REPORT, OR OTHER	R DATA	
TYPE OF SUBMISSION .			TYPE OI	ACTION			•
Notice of Intent	☐ Acidize	☐ Deep	en	☐ Produ	ection (Start/Resume)	☐ Water S	hut-Off
Notice of Intent	☐ Alter Casing	☐ Frac	ture Treat	☐ Recla	mation	■ Well Int	egrity
☐ Subsequent Report	☐ Casing Repair	☐ New	Construction	Recor	mplete	Other	
☐ Final Abandonment Notice	Change Plans	☐ Plug	and Abandon	Temp	orarily Abandon		
	□ Convert to Injection	Plug	Back	☐ Water	r Disposal		
Attach the Bond under which the wor following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fi MOC is currently drilling the at program. Please see attached Bond on file: NM1693 nationw Bond on file: 22015694 nation	operations. If the operation res andonment Notices shall be file nal inspection.) bove well. MOC would lik I pages for details. Call L ide & NMB000919 wide & 022041703 States	sults in a multipled only after all rate to make chevi Jackson v	e completion or reco equirements, include anges to 7" casi with any questio	empletion in ing reclamating and cens.	a new interval, a Form 3160 tion, have been completed, a sment NM OIL (ARTE	OA shall be file and the operator of the opera	ATION
14. I hereby certify that the foregoing is	true and correct. Electronic Submission #3	334799 verifie	d by the BLM We	il Informati	ion System		
Comm		RNE OIL COM	PAÑY, sent to th	e Carlsbad	1		
Name (Printed/Typed) JACKIE LA	•	Sing by Thor			EPRESENTATIVE		
<u> </u>	· · · · · · · · · · · · · · · · · · ·						•
Signature (Electronic S	ubmission)		Date 03/28/2	016			<u> </u>
	THIS SPACE FO	R FEDERA	L OR STATE	OEEICE-	ADDDAVED		
Approved By	Muchlis Krueng		Title	PETROL	TOW ENGINEER	Date	
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu	itable title to those rights in the ct operations thereon.	subject lease	Office		MAR 3 0 2016		
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a	crime for any pe	rson knowingly and		make to any department or REAU OF LAND MANAGE		Jnited
or Budgion of		y manor n			CARLSBAD FIELD OFFI		
** BLM REV	SED ** BLM REVISED	** BLM RE	VISED ** BL				

1. Geologic Formations

TVD of target	14000'	Pilot hole depth	NA
MD at TD:	14000'	Deepest expected fresh water:	125'

Basin

Formation	Depth (TVD)	Water/Mineral Bearing/	Hazards*
en e	from KB	Target/Zone?	
Quaternary Fill	Surface		
Rustler			
Top of Salt		·	
Castile	600	Barren	
Lamar	2100	Oil	
Bell Canyon			
Cherry Canyon			_
Manzanita Marker			
Brushy Canyon			
Bone Spring	5332	Oil/Gas	
Wolfcamp	8950	Oil/Gas	
Canyon	10214		
Strawn	10543		-
Atoka	10918		
Morrow	11482	Gas	
Devonian	12900	Target Zone	,
	·		

^{*}H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Existing Casing & Open Hole

Hole	Casin	g Interval	Csg.	Weight	Weight Grade		SF .	SF	SF
Size	From	To	Size	(lbs)			Collapse	Burst	Tension
17.5"	0'	508'	13.375"	48	H40	STC			
12.25"	0'	2683'	9.625"	36	J55	STC			
8.75"	2683'	12150'	OPEN						
				BLM Min	imum Safe	ty Factor	1.125	1	1.6 Dry
					•	-			1.8 Wet

3. Existing Cement Plugs

Plug#		Interval	Interval	· · · · · · · · · · · · · · · · · · ·		-	
	From	To	(ft)		 	1	
1	0'	50'	50				
2	458'	558'	100				
. 3	2633'	2733'	100				
4	5600'	5700'	100				
5	8875'	9025'	200			_	
6	10443'	10643'	200				
7	11382'	11582'	200				

4. Proposed Drilling Program

- -Deepen 8.75" hole from 12150' to 14000'.
- -Set 7" casing @ 12900'.
- -Open Hole completion from 12900' to 14000'.

Hole	Casing Interval		Casing Interval		Csg.	Weight	Grade	Conn.	. SF ' ·	SF	SF
Size	From	, To	Siže	(lbs)	2		Collapse	Burst	Tension		
8.75"	0'	12900'	7"	26#	HCL80	LTC	1.16	1.48	2.07		
				BLM Min	imum Safet	y Factor	1.125	1	1.6 Dry		
									1.8 Wet		

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide	Y
justification (loading assumptions, casing design criteria).	

Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the	Y			
collapse pressure rating of the casing?				
Is well located within Capitan Reef?	N			
If yes, does production casing cement tie back a minimum of 50' above the Reef?				
Is well within the designated 4 string boundary.				
	· · · · · · · · · · · · · · · · · · ·			
Is well located in SOPA but not in R-111-P?	N			
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back				
500' into previous casing?				
Is well located in R-111-P and SOPA?	N			
If yes, are the first three strings cemented to surface?				
Is 2 nd string set 100' to 600' below the base of salt?				
Is well located in high Cave/Karst?	Y			
If yes, are there two strings cemented to surface?	Y			
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?				
	7			
Is well located in critical Cave/Karst?				
If yes, are there three strings cemented to surface?				

3. Cementing Program

Casing	# Sks	Wt. lb/, gal	Ýld * ft3/ sack	H ₂ 0 gal/ sk	500# 'Comp. Strength' '(hours)	Slurry Description
7" csg	1 st Stag	e				
	50	15.6	1.18	5.2	10	1 st Stage: Class H + 0.65% FL-52 + 0.10% R-3 + 0.005 lb/sk Static Free
	2 nd Sta 12875'	ge DV T	ool & E	CP Set	: @	
	625	15.6	1.18	5.2	10	2 nd Stage: Class H + 0.65% FL-52 + 0.10% R-3 + 0.005 lb/sk Static Free
	3 rd Stag	e DV To	ool Set @	8900	1	
	760	12.5	2.12	11	9	3 rd Stage Lead: 60:40:0 Class C + 15.00 lb/sk BA-90 + 4.00% MPS-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sk Static Free
	100	15.6	`1.18	5.2	10	3 rd Stage Tail: Class H + 0.65% FL-52 + 0.10% R-3 + 0.005 lb/sk Static Free

A copy of cement test will be available on location at time of cement job providing pump times & compressive strengths.

Casing String	TOC	% Excess
Production (7" csg)	0'	25%

4. Pressure Control Equipment

Variance: None

BOP installed and tested before drilling	Size?	System Rated WP		y pe	1.	,	Tested to:
which hole?				<u> </u>		<u> </u>	
ŕ			Anı	nular			·
			Bline	l Ram		•	
			Pipe	Ram			•
			Doub	le Ram			
			Other*				
			Anı	nular	X		2500#
	3-3/4" 11" 5M	[Blind Ram		X		
8-3/4"		5M	Pipe Ram		X		500011
,			Doub	Double Ram			5000#
			Other*	·			
			Anı	nular			
			Blind Ram				
			Pipe Ram			•	
			Double Ram		·		
			Other*				

^{*}Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.	
Y	1	nce: A variance is requested for the use of a flexible choke line from the BOP to Manifold. See attached for specs and hydrostatic test chart.
	N	Are anchors required by manufacturer?
N	install	tibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after ation on the surface casing which will cover testing requirements for a maximum of vs. If any seal subject to test pressure is broken the system must be tested. Provide description here
	See at	tached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To	ا مستواد ا	in the state of th	r Francis	
0'	14000'	Cut Brine	8.6-9.5	28-40	<10

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain	Visual Monitoring, PVT, Pason
of fluid?	

6. Logging and Testing Procedures

Logg	Logging, Coring and Testing.			
	Will run GR/CNL fromTD to surface (horizontal well – vertical portion of hole). Stated			
ł	logs run will be in the Completion Report and submitted to the BLM.			
	No Logs are planned based on well control or offset log information.			
	Drill stem test? If yes, explain			
	Coring? If yes, explain			

Additional logs planned	Interval
Gamma Ray	
Density	·
CBL	
Mud log	
PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6115 psi
Abnormal Temperature	. No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

H2S is present

10111	nations will be provided to the BEW.	
	H2S is present	
X	H2S Plan attached	

8. Other facets of operation

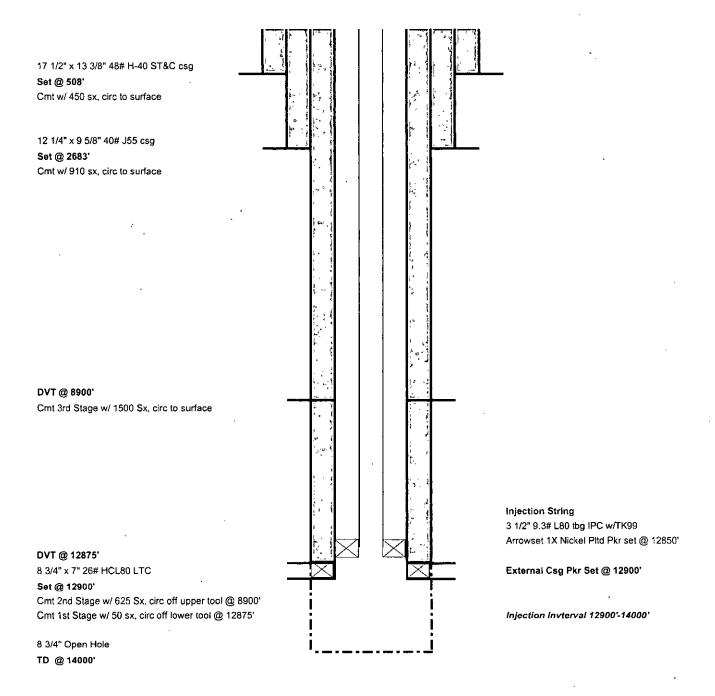
Is this a walking operation? If yes, describe. Will be pre-setting casing? If yes, describe.

Attachments
Directional Plan
Other, describe

Mewbourne Oil Company

Well Name: Top Gun Federal SWD #1

Last Updated by: L. Jackson on 03/28/2016



Note: The ECP set @ 12900' will have 1 jt of casing above it. Then the DV tool will be set above that jt of casing.

1st stage cmt will be placed prior to setting ECP @ 12900'. Then DV tool @ 12875' will be opened and 2nd stage cmt will begin.

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: Mewbourne Oil Co

LEASE NO.: NM054071A

WELL MANGE ONG 1 TO 1

WELL NAME & NO.: 1-Top Gun Federal SWD

SURFACE HOLE FOOTAGE: | 660'/N & 660'/E

BOTTOM HOLE FOOTAGE 1/& //

LOCATION: | Section 18, T. 23 S., R. 27 E., NMPM

COUNTY: | Eddy County, New Mexico

All previous COA still applies except for the following:

Proposed drilling program;

- Operator to drill an 8.75 hole from below the 9-5/8" to TD of 14000'
- Set 7" csg @ 12,900'
- Open hole completion from 12,900' to 14,000'

The minimum required fill of cement behind the 7 inch production casing is:

Operator to set stage tool/ECP at 12,875' Operator to set a stage tool only at 8,900'

Stage 1 of operators cement program approved as stated.

Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

- 1. First Stage or Second Stage DV tool as proposed on operator cement program.
 - Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation or approved top of cement on the next stage.
- 2. Second Stage or Third Stage DV tool as proposed on operator cement program.
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

WELL COMPLETION

A NOI sundry with the completion procedure for this well shall be submitted and approved prior to commencing completion work. The procedure will be reviewed to verify that the completion proposal will allow the operator to:

- 1. Properly evaluate the injection zone utilizing open hole logs, swab testing and/or any other method to confirm that hydrocarbons cannot be produced in paying quantities. This evaluation shall be reviewed by the BLM prior to injection commencing.
- 2. Restrict the injection fluid to the approved formation.