Form 3160-3 (June 2015)			OMB N	APPROVED fo. 1004-0137 anuary 31, 2018
UNITED STATI DEPARTMENT OF THE			5. Lease Serial No.	
BUREAU OF LAND MAN			3. Lease Serial 110.	
APPLICATION FOR PERMIT TO	DRILL OR	REENTER	6. If Indian, Allotee	e or Tribe Name
			7 1611-14 CA A	None and No
1a. Type of work:	REENTER		7. If Unit or CA Ag	reement, Name and No.
	Other		8. Lease Name and	Well No.
1c. Type of Completion: Hydraulic Fracturing	Single Zone	Multiple Zone		[328173]
2. Name of Operator [260297]			9. API Well 3.0-0	25-48719
3a. Address	3b. Phone N	No. (include area code)	10. Field and Pool,	or Exploratory [98158]
4. Location of Well (Report location clearly and in accordance	 e with any State	requirements.*)	11. Sec., T. R. M. o	r Blk. and Survey or Area
At surface				
At proposed prod. zone				
14. Distance in miles and direction from nearest town or post of	office*		12. County or Paris	sh 13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of a	cres in lease 17.	Spacing Unit dedicated to	this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Propose	d Depth 20.	BLM/BIA Bond No. in file	,
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approx	imate date work will start	* 23. Estimated durat	ion
	24. Attac	chments		
The following, completed in accordance with the requirements (as applicable)	of Onshore Oil	and Gas Order No. 1, and	the Hydraulic Fracturing	rule per 43 CFR 3162.3-3
1. Well plat certified by a registered surveyor.		1	erations unless covered by a	n existing bond on file (see
2. A Drilling Plan.3. A Surface Use Plan (if the location is on National Forest Sys SUPO must be filed with the appropriate Forest Service Offi		Item 20 above). 5. Operator certification 6. Such other site specification BLM.	ı. c information and/or plans a:	s may be requested by the
25. Signature	Name	: (Printed/Typed)		Date
Title				
Approved by (Signature)	Name	(Printed/Typed)		Date
Title	Office			
Application approval does not warrant or certify that the application applicant to conduct operations thereon. Conditions of approval, if any, are attached.	ant holds legal	or equitable title to those	rights in the subject lease w	which would entitle the
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 of the United States any false, fictitious or fraudulent statement				any department or agency
GCP Rec 04/15/2021				
		TH CONDITIO	NS 64/26/2	Z 2021
SL	win wi	TH CONDITION	U4/20/2	2U21
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Released to Imaging: 4/27/2021 11:12:33 AM Approval Date: 04/12/2021

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: | BTA Oil Producers LLC

LEASE NO.: | NMNM014492

WELL NAME & NO.: MESA 8105 11 Federal 65H

SURFACE HOLE FOOTAGE: 320'/N & 1610'/W **BOTTOM HOLE FOOTAGE** 50'/S & 330'/W

LOCATION: Section 11, T.26 S., R.32 E., NMP

COUNTY: Lea County, New Mexico

COA

H2S	O Yes	• No	
Potash	None	Secretary	© R-111-P
Cave/Karst Potential	O Low	• Medium	O High
Cave/Karst Potential	Critical		
Variance	None	Flex Hose	Other
Wellhead	Conventional	• Multibowl	O Both
Other	☐4 String Area	☐ Capitan Reef	□WIPP
Other	☐ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	□ СОМ	□ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

Casing Design:

- 1. The 10-3/4 inch surface casing shall be set at approximately 795 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after

- completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The **7-5/8** inch intermediate casing shall be set at approximately **11,781** feet. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Excess cement calculates to -43%, additional cement might be required.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - Excess cement calculates to -5%, additional cement might be required.
- b. Second stage above DV tool:
- Cement to surface. If cement does not circulate, contact the appropriate BLM office.
 - Wait on cement (WOC) time for a primary cement job is to include tlead cement slurry due to cave/karst or potash.
- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 3. The minimum required fill of cement behind the 5 1/2 X 5 inch production casing is:

• Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
 - Chaves and Roosevelt Counties Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201. During office hours call (575) 627-0272. After office hours call (575)
 - Eddy County Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

(575) 361-2822

- ☐ Lea County
 Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
 393-3612
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be

- onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to

Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. **DRILLING MUD**

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

OTA11042020

Well Name: MESA 8105 11 FEDERAL



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Application Data Repor

Submission Date: 07/09/2020

Highlighted data reflects the most recent changes

Operator Name: BTA OIL PRODUCERS LLC

Well Number: 65H

Show Final Text

Well Type: OIL WELL

APD ID: 10400058896

Well Work Type: Drill

Section 1 - General

APD ID: 10400058896 Tie to previous NOS? Submission Date: 07/09/2020

BLM Office: CARLSBAD

User: Sammy Hajar

Title: Regulatory Analyst

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM014492

Lease Acres: Allotted?

Surface access agreement in place?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? Y

Permitting Agent? NO

APD Operator: BTA OIL PRODUCERS LLC

Operator letter of designation:

Operator Info

Operator Organization Name: BTA OIL PRODUCERS LLC

Operator Address: 104 S. Pecos

Zip: 79701

Operator PO Box:

Operator City: Midland

State: TX

Operator Phone: (432)682-3753

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO **Master Development Plan name:**

Well in Master SUPO? NO Master SUPO name:

Well in Master Drilling Plan? NO Master Drilling Plan name:

Well Name: MESA 8105 11 FEDERAL Well API Number: Well Number: 65H

Field/Pool or Exploratory? Field and Pool Field Name: WC-025 Pool Name: UPPER

WOLFCAMP

Is the proposed well in an area containing other mineral resources? NONE

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Is the proposed well in an area containing other mineral resources? NONE

Is the proposed well in a Helium production area? N Use Existing Well Pad? Y New surface disturbance? Y

Type of Well Pad: MULTIPLE WELL Multiple Well Pad Name: MESA Number: 62H, 63H, 64H, and

8105 11 FEDERAL 65H

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill
Well Type: OIL WELL
Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: Distance to nearest well: 195 FT Distance to lease line: 320 FT

Reservoir well spacing assigned acres Measurement: 160 Acres

Well plat: Signed_Mesa_8105_11_Federal_65H_C102_20200709142809.pdf

Well work start Date: 12/05/2021 Duration: 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 Vertical Datum: NGVD29

Survey number: Reference Datum: GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL	320	FNL	161	FW	26S	32E	11	Aliquot	32.06412	-	LEA	NEW	NEW	F	NMNM	325	0	0	Υ
Leg			0	L				NENW	9	103.6490			MEXI		014492	1			
#1										39		СО	СО						
KOP	100	FNL	330	FW	26S	32E	11	Aliquot	32.06473	-	LEA	NEW	NEW	F	NMNM	-	118	117	Υ
Leg				L				NWN	2	103.6531			MEXI		014492	850	56	54	
#1								W		74		СО	СО			3			
PPP	100	FNL	330	FW	26S	32E	11	Aliquot	32.06473	-	LEA	NEW	NEW	F	NMNM	-	120	119	Υ
Leg				L				NWN	2	103.6531		I	MEXI		014492	870	69	56	
#1-1								W		74		СО	СО			5			

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
EXIT Leg #1	100	FSL	330	FW L	26S	32E	l · ·	Aliquot SWS W	32.05058 1	- 103.6530 77	LEA	NEW MEXI CO	ı	F	NMNM 014492	- 898 1	171 36	122 32	Y
BHL Leg #1	50	FSL	330	FW L	26S	32E	l · ·	Aliquot SWS W	32.05044 3	- 103.6530 76	LEA	NEW MEXI CO	–	F	NMNM 014492	- 898 1	174 16	122 32	Y



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

APD ID: 10400058896 **Submission Date:** 07/09/2020

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Well Type: OIL WELL Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation			True Vertical	Measured			Producing
ID	Formation Name	Elevation	Depth	Depth	Lithologies	Mineral Resources	Formation
782268	QUATERNARY	3251	0	0	ALLUVIUM	NONE	N
782269	RUSTLER	2534	717	717	ANHYDRITE	NONE	N
782270	TOP SALT	2050	1201	1201	SALT	NONE	N
782271	BASE OF SALT	-1150	4401	4401	SALT	NONE	N
782272	DELAWARE	-1360	4611	4611	LIMESTONE	NATURAL GAS, OIL	N
782281	BELL CANYON	-1385	4636	4636	SANDSTONE	NATURAL GAS, OIL	N
782274	CHERRY CANYON	-2735	5986	5986	SANDSTONE	NATURAL GAS, OIL	N
782275	BRUSHY CANYON	-4005	7256	7256	SANDSTONE	NATURAL GAS, OIL	N
782276	BONE SPRING LIME	-5600	8851	8851	LIMESTONE	NATURAL GAS, OIL	N
782277	FIRST BONE SPRING SAND	-6500	9751	9751	SANDSTONE	NATURAL GAS, OIL	N
782278	BONE SPRING 2ND	-7100	10351	10351	SANDSTONE	NATURAL GAS, OIL	N
782279	BONE SPRING 3RD	-8250	11501	11501	SANDSTONE	NATURAL GAS, OIL	N
782280	WOLFCAMP	-8705	11956	11956	SHALE	NATURAL GAS, OIL	Y
			1				

Section 2 - Blowout Prevention

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Pressure Rating (PSI): 10M Rating Depth: 14000

Equipment: The blowout preventer equipment (BOP) shown in Exhibit A will consist of a (10M system) double ram type (10,000 psi WP) preventer and a bag-type (Hydril) preventer (5000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 5" drill pipe rams on bottom. The BOPs will be installed on the 10-3/4" surface casing and utilized continuously until total depth is reached. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. A remote kill line will be used for the 10M system as per onshore order #2. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines, and choke manifold having a 10,000 psi WP rating. The 5M annular will be tested as per BLM drilling Operations Order No. 2, and will be test to 100% of working pressure.

Requesting Variance? NO

Variance request:

Testing Procedure: Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. All BOPs and associated equipment will be tested as per BLM drilling Operations Order No. 2.

Choke Diagram Attachment:

Choke_Hose___Test_Chart_and_Specs_20190723082742.pdf

10M_choke_mannifold_20200521113335.pdf

BOP Diagram Attachment:

BLM_10M_BOP_with_5M_annular_20200521113411.pptx

5M_annular_well_control_plan_for_BLM_20200521113411.docx

10M_annular_variance_20200521113430.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.7 5	10.75	NEW	API	N	0	750	0	750	3251	2501	750	J-55	40.5	ST&C	4.9	9.7	DRY	13.8	DRY	20.7
2	INTERMED IATE	9.87 5	7.625	NEW	API	Y	0	8049	0	8000	3018	-4749	8049	P- 110	29.7	BUTT	1.4	2.4	DRY	4	DRY	3.9
	PRODUCTI ON	6.75	5.5	NEW	API	Υ	0	11581	0	11480	3018	-8229	11581	P- 110	20	BUTT	1.3	1.5	DRY	2.9	DRY	2.8
4	INTERMED IATE	8.75	7.625	NEW	API	Υ	8049	11781	8000	11680	-4635	-8429	3732	P- 110	29.7	FJ	1.7	1.7	DRY	2.7	DRY	2.7
	PRODUCTI ON	6.75	5.0	NEW	API	Υ	11581	17416	11480	12232	-8229	-8981	5835	P- 110	18	BUTT	1.3	1.4	DRY	1.9	DRY	1.9

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Casing Attachments

Casing ID: 1

String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Mesa_65H_casing_assumption_20200709144009.JPG

Casing ID: 2

String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

7_5_8_tapered_string_9_7_8_hole_spec__20200521134254.jpg

Casing Design Assumptions and Worksheet(s):

Mesa_65H_casing_assumption_20200709144051.JPG

Casing ID: 3

String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

5.5_tapered_string_spec_20190930151650.jpg

Casing Design Assumptions and Worksheet(s):

Mesa_65H_casing_assumption_20200709144157.JPG

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Casing Attachments

Casing ID: 4

String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

7_5_8_tapered_string_8_3_4_hole_spec_for_FJ_20200521140259.jpg

Casing Design Assumptions and Worksheet(s):

Mesa_65H_casing_assumption_20200709144258.JPG

Casing ID: 5

String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

5_tapered_string_spec_20190930151627.jpg

Casing Design Assumptions and Worksheet(s):

Mesa_65H_casing_assumption_20200709143929.JPG

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	505	315	1.8	13.5	567	100	Class C	2% CaCl2
SURFACE	Tail		505	750	200	1.34	14.8	268	100	Class C	2% CaCl2
INTERMEDIATE	Lead	4632	0	4210	675	2.19	12.7	1478. 25	50	Class C	0.5% CaCl2
INTERMEDIATE	Tail		4210	4632	150	1.33	14.8	199.5	50	Class C	1% CaCl2
INTERMEDIATE	Lead		4632	8230	370	2.64	10.5	976.8	25	Class H	0.5% CaCl2

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		8230	1178 1	400	1.19	15.6	476	25	Class H	1% CaCl2
PRODUCTION	Lead		1078 5	1158 1	0	0	0	0		n/a	n/a

PRODUCTION	Lead	1158	1741	645	1.27	14.8	819.1	10	Class H	0.1% Fluid Loss
		1	6				5			

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	ЬН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	750	OTHER : FW SPUD	8.3	8.4							
750	1178 1	OTHER : DBE	9	9.4							
1178 1	1223 2	OIL-BASED MUD	11	14							

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Drill Stem Tests will be based on geological sample shows.

List of open and cased hole logs run in the well:

MUD LOG/GEOLOGICAL LITHOLOGY LOG, GAMMA RAY LOG, CEMENT BOND LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8905 Anticipated Surface Pressure: 6213

Anticipated Bottom Hole Temperature(F): 179

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

 $BTA_Oil_Producers_LLC__EMERGENCY_CALL_LIST_20190723161502.pdf \\ H2S_Equipment_Schematic_20190723161502.pdf$

H2S_Plan_20190723161502.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Mesa_65H_Wall_plot_20200709144759.pdf

Mesa_65H_directional_plan_20200709144759.pdf

Mesa_8105_65H_Gas_Capture_Plan_20200709144807.pdf

Other proposed operations facets description:

A variance is requested for a Multi Bowl Wellhead. See the attached schematic. *All strings will be kept 1/3 full while running.

Other proposed operations facets attachment:

Other Variance attachment:

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Contifech

CONTITECH RUBBER Industrial Kft.

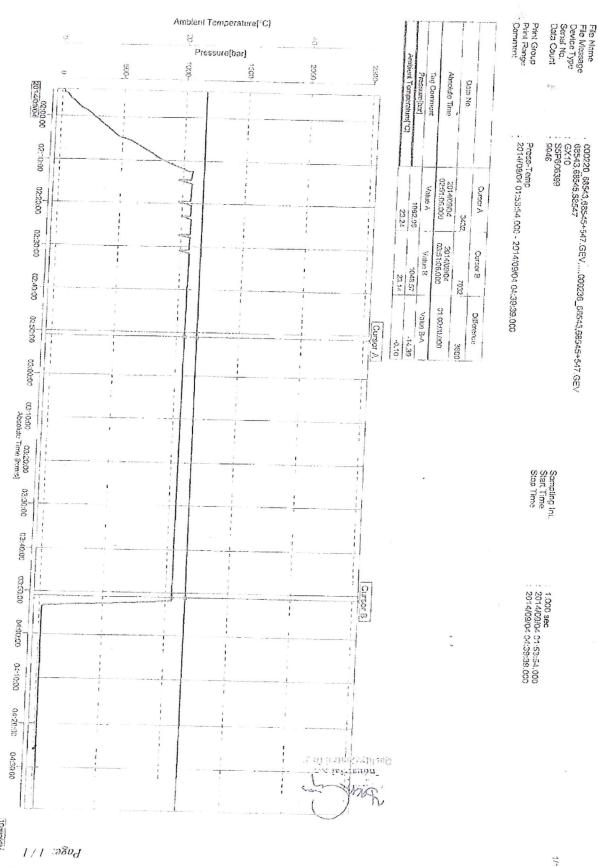
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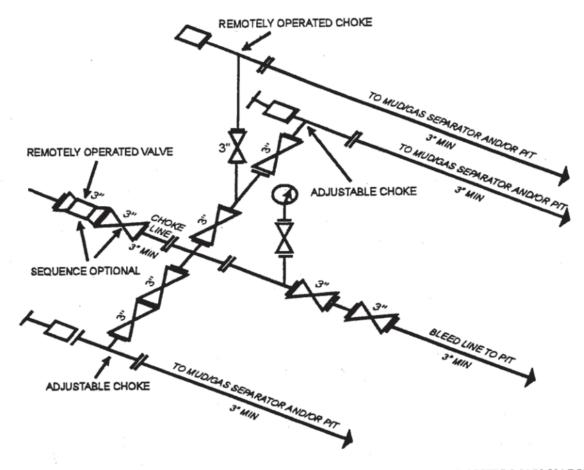
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QUALI INSPECTION A	TY CONT AND TEST		ICATE	Brigandigye (14 of 1 🗣 1000 Au.) Jak	CERT. N	jo.	1592	2		
PURCHASER:	ContiTech C	il & Marine	Corp.		P.O. N°:		450046	1753		
CONTITECH ORDER N°:	539225	HOSE TYPE:	3"	ID		Choke	& Kill Hose)		
HOSE SERIAL Nº:	68547	NOMINAL / A	CTUAL LE	NGTH:		7,62 m	/ 7,66 m			
W.P. 68,9 MPa	10000 psi	T.P. 103,4	MPa	1500)() psi	Duration:	60	min.		
ambient temperature → 10 Min		'See attac	hment.	(1 pa	ge)					
↑ 50 MP.	The account of the County of State 1.5 or				~1771: G1771: A					
COUPLINGS Typ			al Nº		Qua		Hea			
3" coupling with	1	2574	5533	3	AISI		A1582N 588	H8672		
4 1/16" 10K API Swivel F Hub	range eno				AISI 4		A1199N			
Not Designed For V	Vell Testino	1			7,107		API Spec			
Fire Rated	•	,					, iperature			
All metal parts are flawless						-				
WE CERTIFY THAT THE ABOVE INSPECTED AND PRESSURE T				CORDA	NCE WITH	THE TERM	AS OF THE OF	DER		
STATEMENT OF CONFORMIT conditions and specifications of accordance with the referenced	Y: We hereby o	ertify that the ab	ove items/e	quipmen	t supplied t	re fabricated	finspected and	I tested in		
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O4. September 2014. O4. September 2014. O4. September 2014. O5. September 2014. O6. September 2014. O7. September 2014.										

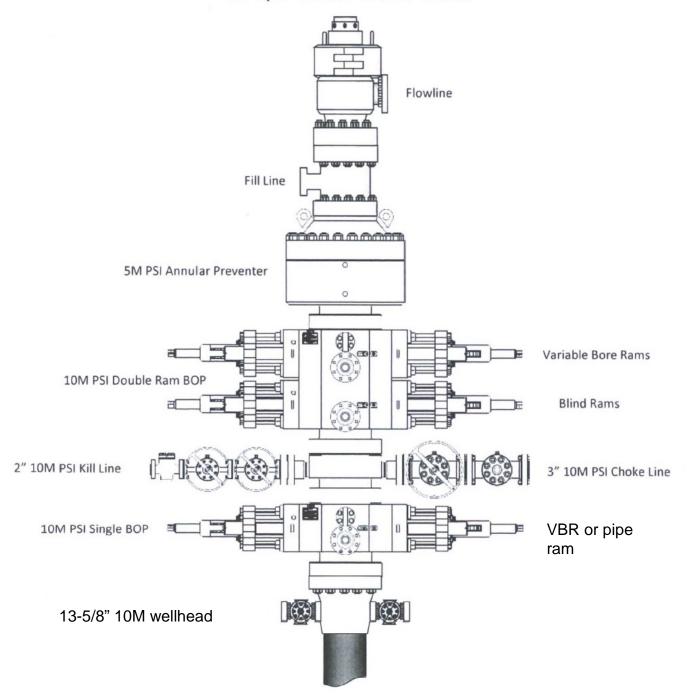
Contificin Ryther Industrial Kit. | Budagosti ĉi 10.11 6728 Szeged | IN-6701 P.O.Box 152 Szaged, Hungshy Phone: 156.67.66 737 | Fax: +36.62.556 738 | e-mail inte@fluid contiects in I Internet www.contiects.rut.evr.in.contiects in The Court of Osongrád County as Registry Court | Registry Court No. Cg 08.69.692527 | FITVAT No. P.I.11087298 Book cots Commerciand, Zit., Budogost | 14220106-26833693



VILIVCHWENI OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE — Vo.: 1588, 1590, 1592



10M AND 15M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY [53 FR 49661, Dec. 9, 1988 and 54 FR 39528, Sept. 27, 1989]



Well control plan for 10M BOPE with 5M annular

Drilling

- 1. Sound alarm (alert crew).
- 2. Space out drill string.
- 3. Shut down pumps (stop pumps and rotary).
- 4. Shut-in Well with annular with HCR and choke in closed position.
- 5. Confirm shut-in.
- 6. Notify tool pusher/company representative.
- 7. Read and record the following:
- a. SIDPP & SICP
- b. Time of shut in
- c. Pit gain
- 8. Regroup and identify forward plan. If pressure has increased to 2500 psi, confirm spacing and close the upper variable bore rams.
- 9. Prepare for well kill operation.

Tripping

- Sound alarm (alert rig crew)
- 2. Stab full opening safety valve and close valve
- 3. Sapce out drill string
- 4. Shut in the well with the annular with HCR and choke in closed position
- 5. Confirm shut in
- 6. Notify tool pusher/company representative
- 7. Read and record the following
- a. Time of shut in
- b. SIDPP and SICP
- c. Pit gain
- 8. If pressure has increased to 2500 psi, confirm spacing and close the upper most variable bore ram.
- 9. Prepare for well kill operation.

While Running Casing

- 1. Sound alarm (alert rig crew)
- 2. Stab crossover and full opening safety valve and close valve
- Space out casing string
- 4. Shut in well with annular with HCR and choke in closed position
- 5. Confirm shut in
- 6. Notify tool pusher/company representative
- 7. Read and record the following:
- a. SIDPP & SICP
- b. Pit gain
- c. Time
- 8. If pressure has increased to 2500 psi, confirm spacing and close the upper most variable bore ram.
- 9. Prepare for well kill operation.

No Pipe In Hole (Open Hole)

1. Sound alarm (alert rig crew)

Well control plan for 10M BOPE with 5M annular

- Shut in blind rams with HCR and choke in closed position 2.
- 3. Confirm shut in
- 4. Notify tool pusher/company representative
- Read and record the following: 5.
- SICP a.
- Pit gain b.
- Time C.
- Prepare for well kill operation 6.

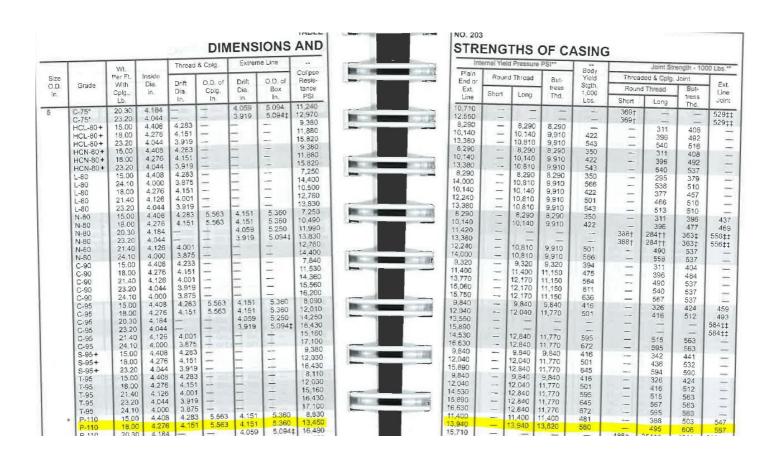
- Pulling BHA thru Stack
 1. Prior to pulling last joint of drill pipe thru the stack
 - Perform flow check, if flowing: a.
 - Sound Alarm (alert crew) a.i.
 - Stab full opening safety valve and close valve a.ii.
 - Space out drill string a.iii.
 - Shut in using upper most VBR, choke and HCR in closed positon a.iv.
 - Confirm shut in a.v.
 - Notify tool pusher/company representative. a.vi.
 - Read and record the following: a.vii.
 - a.vii.1. SIDPP and SICP
 - a.vii.2. Pit gain
 - a.vii.3. Time
 - Prepare for well kill operation a.viii.
 - With BHA in the stack: 2.
 - If possible pull BHA clear of stack a.
 - Follow 'open hole' procedure above a.i.
 - If unable to pull BHA clear of stack b.
 - Stab crossover with full opening safety valve, close valve. b.i.
 - Space out b.ii.
 - Shut in using upper most VBR. HCR and choke in closed position. b.iii.
 - Confirm shut in b.iv.
 - Notify tool pusher/company rep b.v. Read and record the following: b.vi.
 - b.vi.1. SIDPP and SICP
 - b.vi.2. Pit gain
 - b.vi.3. Time
 - Prepare for well kill operation b.vii.

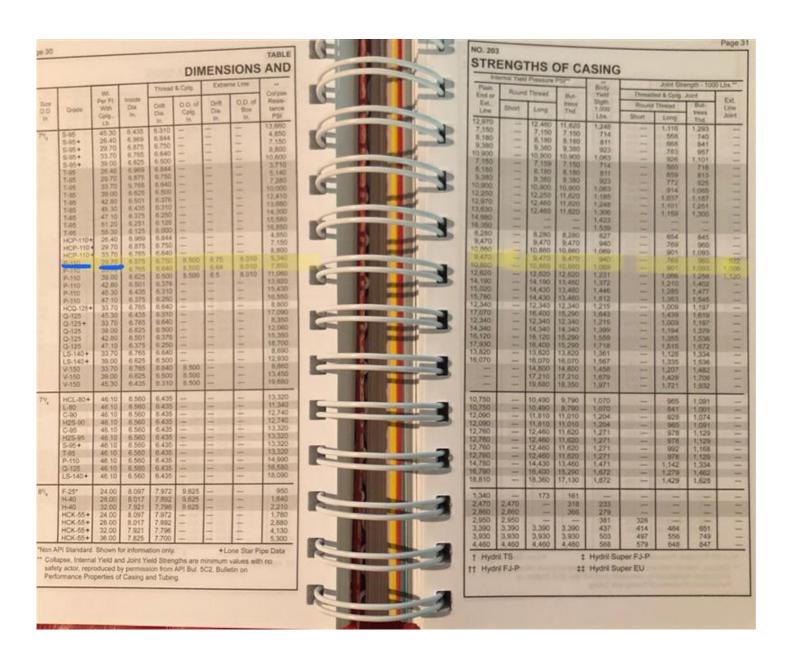
<u>Drilling component and preventer compatibility table</u> <u>for 10M approval</u>

The following table outlines the drilling and production liner components for Wolfcamp targets requiring 10M BOPE approval. Variance is requested to utilize a 5M annular preventer in 6-1/8" hole as all components can be covered using 10M rated VBR's (variable bore rams). 5M annular on the 10M system will be tested to 100% of rated working pressure.

6-1/8" hole section – 10M BOPE requirement (13-5/8" BOP)								
Component	OD	Preventer	RWP					
Drill pipe	4"	3.5"-5.5" VBR	10M					
HWDP	4"	3.5"-5.5" VBR	10M					
Jars	5"	3.5"-5.5" VBR	10M					
DC's and NMDC's	4-3/4"	3.5"-5.5" VBR	10M					
Mud motor	5"	3.5"-5.5" VBR	10M					
Casing	4-1/2"	3.5"-5.5" VBR	10M					
Open hole	NA	Blind rams	10M					

12-1/4" & 8-3/4" hole sections – 5M BOPE requirement (13-5/8" BOP)								
Component	OD	Preventer	RWP					
Drill pipe	5"	3.5"-5.5" VBR or 5" pipe rams	10M					
HWDP	5"	3.5"-5.5" VBR or 5" pipe rams	10M					
Jars	6-1/4"	Annular	5M					
DC's and NMDC's	7"-8"	Annular	5M					
Mud motor	7"-8"	Annular	5M					
Casing	9-5/8" & 7"	Annular	5M					
Open hole	NA	Blind rams	10M					





Col'pse	e Line	Extrem	Cplg	Thread 8		Wt		
Resis- tance PSI	O.D. of Box In	Drift Dia. In.	O.D. of Cpig. In.	Drift Dia. In	Inside Dia In.	Per FL With Cplg. Lb	Grade	Size O.D. In.
17,430 19,140 20,760 22,380 23,920 25,400 8,580 7,460 11,080 14,520 17,390 16,077 8,581 12,080 16,077 8,581 12,950 13,46 13,48 18,39 23,72		4,653 4,653 4,545 4,23 	6.050 6.050 6.050 	4 251 4 125 4 001 3 875 3 751 3 625 4 767 4 767 4 767 4 767 4 767 4 763 4 545 4 423 4 765 4 4653 4 545 4 653 4 653 6 653	4.778 4.778	29.70 32.60 35.30 38.00 40.50 43.10 17.00 20.00 23.00 26.00 17.00 20.00 23.00 26.00 17.00 20.00 23.00 26.00 20.00	T-95 T-95 T-95 T-95 T-95 T-95 T-95 T-95	5V ₂



7116	emai Yiel	d Pressure	PSI**		Joint Strength - 1000 Lbs:						
Plain	Roun	d Thread	But-	Body Yield	Threa	ded & Cpig.		T			
End or Ext.		1	tress	Stgth.		d Thread	Bul-	Ext. Line Jaint			
Line	Short	Long	Thd.	1,000 Lbs	Short	Long	tress Thd.				
16,990	_	-		828			-				
18,810	200	1 2		909				1 =			
20,770	-	-		987			100	-			
22,670	-	-	_	1.063	10000			1 5			
24,540	-		-	1,136			-	-			
26,450	-	-		1,208				-			
10,640	_	10.640	10.640	546		445	500				
10,640		10,640	10.640	546		445	568	-			
12,640		12.640	12.360	641		548	568 667	621			
14,520		13,580	12,360	729	The same of the sa	643	724	65			
6,660	_	-		1,20	569†	393††	564±	723			
12,090	-	12.090	12.090	620	0051	481	620	892‡			
12,090		12,090	12.090	620		481	620	-			
14.360	_	14.360	14.050	729		592	728				
6,510	-	15.430	14.050	829		694	782	1 100			
8,930		15,430	14.050	939		808	782	-			
3,540	-	13,540	13,540	695		534	690	-			
6,080	_	16,080	15,740	816	_	657	810	_			
8,490	_	17,290	15,740	928		771	869	-			
7,230	_	17,230	16,860	874		701	865	1			
-		17,230	16.860	874	_	701	908				
DOT:	-	18,520	16,860	994		823	910				
-	-	22,720	-			525	510	722±			



	^	BTA Oi	1 Producers	s, LLC						WELL:	Mesa 8	105 11 F	ed #65	H (WUDI	M)
₹B°		104 S F	ecos							TVD:	12232				
	_	Midland	i, TX 79701							MD:	17416				
						DR	RILLING P	LAN							
Casing Pro	ogram														
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
14 3/4	10 3/4	0	750	0	750	No	40.5	J-55	STC	4.9	9.7	20.7	13.8	Dry	8.3
9 7/8	7 5/8	0	8049	0	8000	yes	29.7	P110	Buttress	1.4	2.4	3.9	4.0	Dry	9.4
8 3/4	7 5/8	8049	11781	8000	11680	yes	29.7	P110	FJ	1.7	1.7	2.7	2.7	Dry	9.4
6 3/4	5 1/2	0	11581	0	11480	Yes	20	P110	Buttress	1.3	1.5	2.8	2.9	Dry	14
6 3/4	5	11581	17416	11480	12232	Yes	18	P110	Buttress	1.3	1.4	1.9	1.9	Dry	14
*7 5/8" 1	has DV Tool	@ 4632													

	^	BTA Oi	l Producers	s, LLC						WELL:	Mesa 8	105 11 1	Ped #65	H (WUDI	M)
13		104 S F	Pecos							TVD:	12232				
	_	Midland	1, TX 79701							MD:	17416				
						DR	RILLING P	LAN							
Casing Pr	ogram														
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
14 3/4	10 3/4	0	750	0	750	No	40.5	J-55	STC	4.9	9.7	20.7	13.8	Dry	8.3
9 7/8	7 5/8	0	8049	0	8000	yes	29.7	P110	Buttress	1.4	2.4	3.9	4.0	Dry	9.4
8 3/4	7 5/8	8049	11781	8000	11680	yes	29.7	P110	FJ	1.7	1.7	2.7	2.7	Dry	9.4
6 3/4	5 1/2	0	11581	0	11480	Yes	20	P110	Buttress	1.3	1.5	2.8	2.9	Dry	14
6 3/4	5	11581	17416	11480	12232	Yes	18	P110	Buttress	1.3	1.4	1.9	1.9	Dry	14
*7 5/8" 1	has DV Tool	@ 4632													

	^	BTA Oi	l Producers	s, LLC						WELL:	Mesa 8	105 11 1	Ped #65	H (WUDI	M)
13		104 S F	Pecos							TVD:	12232				
	_	Midland	1, TX 79701							MD:	17416				
						DR	RILLING P	LAN							
Casing Pr	ogram														
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
14 3/4	10 3/4	0	750	0	750	No	40.5	J-55	STC	4.9	9.7	20.7	13.8	Dry	8.3
9 7/8	7 5/8	0	8049	0	8000	yes	29.7	P110	Buttress	1.4	2.4	3.9	4.0	Dry	9.4
8 3/4	7 5/8	8049	11781	8000	11680	yes	29.7	P110	FJ	1.7	1.7	2.7	2.7	Dry	9.4
6 3/4	5 1/2	0	11581	0	11480	Yes	20	P110	Buttress	1.3	1.5	2.8	2.9	Dry	14
6 3/4	5	11581	17416	11480	12232	Yes	18	P110	Buttress	1.3	1.4	1.9	1.9	Dry	14
*7 5/8" 1	has DV Tool	@ 4632													

	^	BTA Oi	1 Producers	s, LLC						WELL:	Mesa 8	105 11 F	ed #65	H (WUDI	M)
₹B°		104 S F	ecos							TVD:	12232				
	_	Midland	i, TX 79701							MD:	17416				
						DR	RILLING P	LAN							
Casing Pro	ogram														
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
14 3/4	10 3/4	0	750	0	750	No	40.5	J-55	STC	4.9	9.7	20.7	13.8	Dry	8.3
9 7/8	7 5/8	0	8049	0	8000	yes	29.7	P110	Buttress	1.4	2.4	3.9	4.0	Dry	9.4
8 3/4	7 5/8	8049	11781	8000	11680	yes	29.7	P110	FJ	1.7	1.7	2.7	2.7	Dry	9.4
6 3/4	5 1/2	0	11581	0	11480	Yes	20	P110	Buttress	1.3	1.5	2.8	2.9	Dry	14
6 3/4	5	11581	17416	11480	12232	Yes	18	P110	Buttress	1.3	1.4	1.9	1.9	Dry	14
*7 5/8" 1	has DV Tool	@ 4632													

	~	BTA Oi	l Producers	s, LLC						WELL:	Mesa 8	105 11 F	ed #65	H (WUDI	M)
- B		104 S F	ecos							TVD:	12232				
		Midland	l, TX 79701							MD:	17416				
						DR	ILLING P	LAN		ľ			1		
Casing Pro	ogram														
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
14 3/4	10 3/4	0	750	0	750	No	40.5	J-55	STC	4.9	9.7	20.7	13.8	Dry	8.3
9 7/8	7 5/8	0	8049	0	8000	yes	29.7	P110	Buttress	1.4	2.4	3.9	4.0	Dry	9.4
8 3/4	7 5/8	8049	11781	8000	11680	yes	29.7	P110	FJ	1.7	1.7	2.7	2.7	Dry	9.4
8 3/4	5 1/2	0	11581	0	11480	Yes	20	P110	Buttress	1.3	1.5	2.8	2.9	Dry	14
6 3/4	5	11581	17416	11480	12232	Yes	18	P110	Buttress	1.3	1.4	1.9	1.9	Dry	14
*7 5/8° 1	nas DV Tool	@ 4632'													

EMERGENCY CALL LIST

	<u>OFFICE</u>	MOBILE
BTA Oil Producers LLC OFFICE	432-682-3753	
BEN GRIMES, Operations	432-682-3753	432-559-4309
NICK EATON, Drilling	432-682-3753	432-260-7841
TRACE WOHLFAHRT, Completions	432-682-3753	

EMERGENCY RESPONSE NUMBERS

	<u>OFFICE</u>
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451

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BTA OIL PRODUCERS LLC



HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- a. The hazards and characteristics of hydrogen sulfide (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- c. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

- a. Well Control Equipment:
 - Flare line.
 - Choke manifold with remotely operated choke.
 - Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.
- b. Protective equipment for essential personnel:
 - Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
- c. H2S detection and monitoring equipment:

- 2 portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- d. Visual warning systems: Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- e. Mud Program:
 The mud program has been designed to minimize the volume of H2S circulated to the surface.
- f. Metallurgy:
 All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- g. Communication:
 Company vehicles equipped with cellular telephone.

WARNING

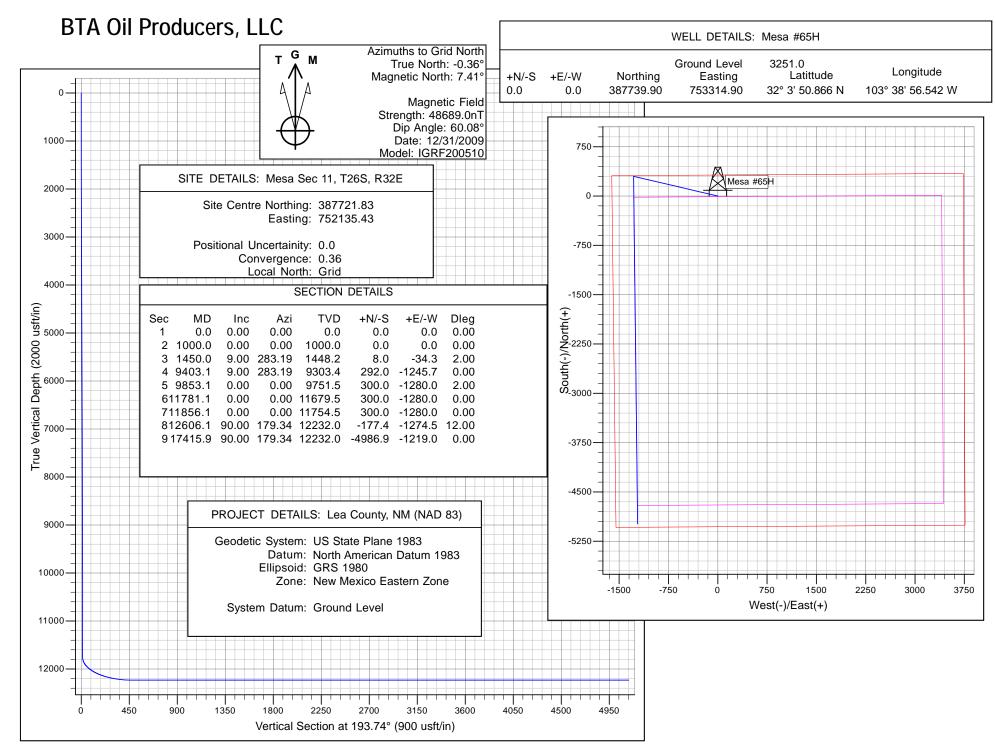
YOU ARE ENTERING AN H₂S AREA AUTHORIZED PERSONNEL ONLY

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CK WITH BTA OIL PRODUCERS LLC FOREMAN AT MAIN OFFICE

BTA OIL PRODUCERS LLC

1-432-682-3753

Received by OCD: 4/15/2021 9:54:35 AM



BTA Oil Producers, LLC

Lea County, NM (NAD 83) Mesa Sec 11, T26S, R32E Mesa #65H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

09 July, 2020

Planning Report - Geographic

Database: Company:

Old

BTA Oil Producers, LLC

Project: Site:

Lea County, NM (NAD 83) Mesa Sec 11, T26S, R32E

Well: Mesa #65H Wellbore: Wellbore #1 Design #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Mesa #65H

GL @ 3251.0usft GL @ 3251.0usft

Grid

Minimum Curvature

Project Lea County, NM (NAD 83), Lea County, NM

Map System: Geo Datum:

Map Zone:

US State Plane 1983 North American Datum 1983

New Mexico Eastern Zone

System Datum:

Ground Level

Using geodetic scale factor

Mesa Sec 11, T26S, R32E Site

Site Position: From: Position Uncertainty:

Northing: Мар Easting:

0.0 usft

0.0 usft

387,721.83 usft 752,135.43 usft 13-3/16 "

Latitude: Longitude: **Grid Convergence:**

32° 3' 50.761 N 103° 39' 10.249 W

0.36

Well Mesa #65H

+N/-S

Wellbore #1

Model Name

0.0 usft +E/-W 0.0 usft

Northing: Easting:

Wellhead Elevation:

Slot Radius:

387,739.90 usft 753,314.90 usft

Latitude: Longitude:

32° 3' 50.866 N 103° 38' 56.542 W

Ground Level: 3,251.0 usft

Field Strength

(nT)

48,689.01325671

Position Uncertainty

Well Position

Wellbore

Magnetics

IGRF200510

12/31/2009

Sample Date

Declination (°)

7.77

Dip Angle (°)

Design #1 Design

Audit Notes:

Version:

Phase:

PROTOTYPE

Tie On Depth:

0.0

60.08

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 193.74

Plan Survey Tool Program

7/9/2020 Date

Depth From (usft)

Depth To (usft)

Survey (Wellbore)

Tool Name

Remarks

0.0 17,415.9 Design #1 (Wellbore #1)

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,450.0	9.00	283.19	1,448.2	8.0	-34.3	2.00	2.00	0.00	283.19	
9,403.1	9.00	283.19	9,303.4	292.0	-1,245.7	0.00	0.00	0.00	0.00	
9,853.1	0.00	0.00	9,751.5	300.0	-1,280.0	2.00	-2.00	0.00	180.00	
11,781.1	0.00	0.00	11,679.5	300.0	-1,280.0	0.00	0.00	0.00	0.00	
11,856.1	0.00	0.00	11,754.5	300.0	-1,280.0	0.00	0.00	0.00	0.00	
12,606.1	90.00	179.34	12,232.0	-177.4	-1,274.5	12.00	12.00	0.00	179.34	
17,415.9	90.00	179.34	12,232.0	-4,986.9	-1,219.0	0.00	0.00	0.00	0.00	Mesa #65H BHL

Planning Report - Geographic

Database:

Old

BTA Oil Producers, LLC

Project: Site:

Company:

Lea County, NM (NAD 83) Mesa Sec 11, T26S, R32E

Well: Mesa #65H Wellbore: Wellbore #1 Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Mesa #65H

GL @ 3251.0usft GL @ 3251.0usft

Grid

Design:	Desig	j ι π ι							
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	387,739.90	753,314.90	32° 3' 50.866 N	103° 38' 56.542 W
100.0	0.00	0.00	100.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
200.0	0.00	0.00	200.0	0.0	0.0	387,739.90	753,314.90	32° 3' 50.866 N	103° 38' 56.542 W
300.0	0.00	0.00	300.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
400.0	0.00	0.00	400.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
500.0	0.00	0.00	500.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
600.0	0.00	0.00	600.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
700.0	0.00	0.00	700.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
800.0	0.00	0.00	0.008	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
900.0	0.00	0.00	900.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	387,739.90	753,314.90	32° 3′ 50.866 N	103° 38' 56.542 W
1,100.0	2.00	283.19	1,100.0	0.4	-1.7	387,740.30	753,313.20	32° 3′ 50.870 N	103° 38' 56.561 W
1,200.0	4.00	283.19	1,199.8	1.6	-6.8	387,741.49	753,308.10	32° 3′ 50.882 N	103° 38' 56.621 W
1,300.0	6.00	283.19	1,299.5	3.6	-15.3	387,743.48	753,299.62	32° 3′ 50.902 N	103° 38' 56.719 W
1,400.0	8.00	283.19	1,398.7	6.4	-27.1	387,746.26	753,287.75	32° 3′ 50.931 N	103° 38' 56.857 W
1,450.0	9.00	283.19	1,448.2	8.0	-34.3	387,747.95	753,280.56	32° 3′ 50.948 N	103° 38' 56.940 W
1,500.0	9.00	283.19	1,497.5	9.8	-42.0	387,749.73	753,272.94	32° 3′ 50.966 N	103° 38' 57.029 W
1,600.0	9.00	283.19	1,596.3	13.4	-57.2	387,753.30	753,257.71	32° 3′ 51.002 N	103° 38' 57.205 W
1,700.0	9.00	283.19	1,695.1	17.0	-72.4	387,756.87	753,242.48	32° 3′ 51.038 N	103° 38' 57.382 W
1,800.0	9.00	283.19	1,793.8	20.5	-87.6	387,760.44	753,227.25	32° 3′ 51.075 N	103° 38' 57.559 W
1,900.0	9.00	283.19	1,892.6	24.1	-102.9	387,764.01	753,212.02	32° 3' 51.111 N	103° 38' 57.735 W
2,000.0	9.00	283.19	1,991.4	27.7	-118.1	387,767.58	753,196.79	32° 3′ 51.147 N	103° 38' 57.912 W
2,100.0	9.00	283.19	2,090.1	31.3	-133.3	387,771.15	753,181.56	32° 3′ 51.184 N	103° 38' 58.089 W
2,200.0	9.00	283.19	2,188.9	34.8	-148.6	387,774.72	753,166.33	32° 3′ 51.220 N	103° 38' 58.266 W
2,300.0	9.00	283.19	2,287.7	38.4	-163.8	387,778.29	753,151.10	32° 3′ 51.256 N	103° 38' 58.442 W
2,400.0	9.00	283.19	2,386.5	42.0	-179.0	387,781.86	753,135.87	32° 3′ 51.292 N	103° 38' 58.619 W
2,500.0	9.00	283.19	2,485.2	45.5	-194.3	387,785.43	753,120.64	32° 3′ 51.329 N	103° 38' 58.796 W
2,600.0	9.00	283.19	2,584.0	49.1	-209.5	387,789.00	753,105.41	32° 3′ 51.365 N	103° 38' 58.972 W
2,700.0	9.00	283.19	2,682.8	52.7	-224.7	387,792.57	753,090.18	32° 3′ 51.401 N	103° 38' 59.149 W
2,800.0	9.00	283.19	2,781.5	56.2	-240.0	387,796.14	753,074.95	32° 3' 51.437 N	103° 38' 59.326 W
2,900.0	9.00	283.19	2,880.3	59.8	-255.2	387,799.71	753,059.72	32° 3′ 51.474 N	103° 38' 59.503 W
3,000.0	9.00	283.19	2,979.1	63.4	-270.4	387,803.27	753,044.49	32° 3′ 51.510 N	103° 38' 59.679 W
3,100.0	9.00	283.19	3,077.8	66.9	-285.6	387,806.84	753,029.26	32° 3′ 51.546 N	103° 38' 59.856 W
3,200.0	9.00	283.19	3,176.6	70.5	-300.9	387,810.41	753,014.03	32° 3′ 51.583 N	103° 39' 0.033 W
3,300.0	9.00	283.19	3,275.4	74.1	-316.1	387,813.98	752,998.80	32° 3′ 51.619 N	103° 39' 0.210 W
3,400.0	9.00	283.19	3,374.1	77.7	-331.3	387,817.55	752,983.57	32° 3′ 51.655 N	103° 39' 0.386 W
3,500.0	9.00	283.19 283.19	3,472.9	81.2	-346.6 -361.8	387,821.12	752,968.34	32° 3' 51.691 N 32° 3' 51.728 N	103° 39' 0.563 W 103° 39' 0.740 W
3,600.0 3,700.0	9.00 9.00	283.19	3,571.7 3,670.5	84.8 88.4	-361.8 -377.0	387,824.69	752,953.11		103° 39' 0.916 W
3,800.0					-377.0 -392.3	387,828.26	752,937.88	32° 3′ 51.764 N	103° 39' 1.093 W
3,900.0	9.00	283.19 283.19	3,769.2	91.9 95.5	-392.3 -407.5	387,831.83	752,922.65	32° 3′ 51.800 N	103° 39' 1.093 W
4,000.0	9.00	283.19	3,868.0 3,966.8	95.5 00.1	-407.5 -422.7	387,835.40	752,907.42 752,892.19	32° 3' 51.837 N 32° 3' 51.873 N	103° 39′ 1.447 W
4,000.0	9.00 9.00	283.19	4,065.5	99.1 102.6	-422.7 -438.0	387,838.97 387,842.54	752,892.19 752,876.96	32° 3' 51.909 N	103° 39′ 1.447 W
4,100.0	9.00	283.19	4,065.5	102.6	-456.0 -453.2	387,846.11	752,876.96 752,861.73	32° 3' 51.945 N	103° 39′ 1.800 W
4,300.0	9.00	283.19	4,164.3	100.2	-455.2 -468.4	387,849.68	752,846.50	32° 3' 51.982 N	103° 39' 1.800 W
4,400.0	9.00	283.19	4,263.1	113.4	-400.4 -483.6	387,853.25	752,840.50	32° 3′ 52.018 N	103° 39' 2.153 W
4,500.0	9.00	283.19	4,460.6	116.9	-403.0 -498.9	387,856.82	752,831.27	32° 3′ 52.054 N	103° 39′ 2.330 W
4,600.0	9.00	283.19	4,559.4	120.5	-514.1	387,860.39	752,800.81	32° 3′ 52.090 N	103° 39' 2.507 W
4,700.0	9.00	283.19	4,658.1	124.1	-529.3	387,863.96	752,785.58	32° 3′ 52.127 N	103° 39' 2.684 W
4,800.0	9.00	283.19	4,756.9	127.6	-529.5 -544.6	387,867.53	752,770.35	32° 3′ 52.163 N	103° 39′ 2.860 W
4,900.0	9.00	283.19	4,855.7	131.2	-559.8	387,871.10	752,755.12	32° 3′ 52.199 N	103° 39' 3.037 W
5,000.0	9.00	283.19	4,954.4	134.8	-575.0	387,874.67	752,739.89	32° 3' 52.236 N	103° 39' 3.214 W
5,100.0	9.00	283.19	5,053.2	138.3	-590.3	387,878.24	752,724.66	32° 3' 52.272 N	103° 39' 3.391 W
5,200.0	9.00	283.19	5,152.0	141.9	-605.5	387,881.81	752,709.43	32° 3' 52.308 N	103° 39' 3.567 W
5,300.0	9.00	283.19	5,250.8	145.5	-620.7	387,885.37	752,694.20	32° 3' 52.344 N	103° 39' 3.744 W
5,500.0	3.00	200.10	0,200.0	170.0	020.1	001,000.01	102,007.20	02 0 02.077 IN	100 00 0.1 77 11

Planning Report - Geographic

Database: Old

Company: BTA Oil Producers, LLC

Project: Lea County, NM (NAD 83)
Site: Mesa Sec 11, T26S, R32E

Well: Mesa #65H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Mesa #65H

GL @ 3251.0usft GL @ 3251.0usft

Grid

Design:		jn #1							
Planned Survey									
Measured Depth (usft)	Inclination	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,400.0	9.00	283.19	5,349.5	149.1	-636.0	387,888.94	752,678.97	32° 3′ 52.381 N	103° 39' 3.921 W
5,500.0	9.00	283.19	5,448.3	152.6	-651.2	387,892.51	752,663.74	32° 3' 52.417 N	103° 39' 4.097 W
5,600.0	9.00	283.19	5,547.1	156.2	-666.4	387,896.08	752,648.51	32° 3′ 52.453 N	103° 39' 4.274 W
5,700.0	9.00	283.19	5,645.8	159.8	-681.6	387,899.65	752,633.28	32° 3′ 52.489 N	103° 39' 4.451 W
5,800.0	9.00	283.19	5,744.6	163.3	-696.9	387,903.22	752,618.05	32° 3′ 52.526 N	103° 39' 4.628 W
5,900.0	9.00	283.19	5,843.4	166.9	-712.1	387,906.79	752,602.82	32° 3′ 52.562 N	103° 39' 4.804 W
6,000.0	9.00	283.19	5,942.1	170.5	-727.3	387,910.36	752,587.59	32° 3′ 52.598 N	103° 39' 4.981 W
6,100.0	9.00	283.19	6,040.9	174.0	-742.6	387,913.93	752,572.36	32° 3′ 52.635 N	103° 39' 5.158 W
6,200.0	9.00	283.19	6,139.7	177.6	-757.8	387,917.50	752,557.13	32° 3′ 52.671 N	103° 39' 5.334 W
6,300.0	9.00	283.19	6,238.4	181.2	-773.0	387,921.07	752,541.90	32° 3′ 52.707 N	103° 39' 5.511 W
6,400.0	9.00	283.19	6,337.2	184.7	-788.3	387,924.64	752,526.67	32° 3′ 52.743 N	103° 39' 5.688 W
6,500.0	9.00	283.19	6,436.0	188.3	-803.5	387,928.21	752,511.44	32° 3′ 52.780 N	103° 39' 5.865 W
6,600.0	9.00	283.19	6,534.7	191.9	-818.7	387,931.78	752,496.21	32° 3' 52.816 N	103° 39' 6.041 W
6,700.0	9.00	283.19	6,633.5	195.5	-834.0	387,935.35	752,480.98	32° 3' 52.852 N	103° 39' 6.218 W
6,800.0	9.00	283.19	6,732.3	199.0	-849.2	387,938.92	752,465.75	32° 3' 52.889 N	103° 39' 6.395 W
6,900.0	9.00	283.19	6,831.1	202.6	-864.4	387,942.49	752,450.52	32° 3' 52.925 N	103° 39' 6.572 W
7,000.0 7,100.0	9.00 9.00	283.19 283.19	6,929.8 7,028.6	206.2 209.7	-879.6 -894.9	387,946.06 387,949.63	752,435.29 752,420.06	32° 3' 52.961 N 32° 3' 52.997 N	103° 39' 6.748 W 103° 39' 6.925 W
7,100.0	9.00	283.19	7,028.6	213.3	-094.9 -910.1	387,953.20	752,420.00	32° 3′ 53.034 N	103° 39' 7.102 W
7,300.0	9.00	283.19	7,127.4	216.9	-925.3	387,956.77	752,389.60	32° 3' 53.070 N	103° 39' 7.102 W
7,400.0	9.00	283.19	7,324.9	220.4	-940.6	387,960.34	752,374.37	32° 3' 53.106 N	103° 39' 7.455 W
7,500.0	9.00	283.19	7,423.7	224.0	-9 5 5.8	387,963.90	752,359.14	32° 3' 53.142 N	103° 39' 7.632 W
7,600.0	9.00	283.19	7,522.4	227.6	-971.0	387,967.47	752,343.91	32° 3' 53.179 N	103° 39' 7.809 W
7,700.0	9.00	283.19	7,621.2	231.2	-986.3	387,971.04	752,328.68	32° 3' 53.215 N	103° 39' 7.985 W
7,800.0	9.00	283.19	7,720.0	234.7	-1,001.5	387,974.61	752,313.45	32° 3' 53.251 N	103° 39' 8.162 W
7,900.0	9.00	283.19	7,818.7	238.3	-1,016.7	387,978.18	752,298.22	32° 3′ 53.288 N	103° 39' 8.339 W
8,000.0	9.00	283.19	7,917.5	241.9	-1,032.0	387,981.75	752,282.99	32° 3′ 53.324 N	103° 39' 8.515 W
8,100.0	9.00	283.19	8,016.3	245.4	-1,047.2	387,985.32	752,267.76	32° 3' 53.360 N	103° 39' 8.692 W
8,200.0	9.00	283.19	8,115.0	249.0	-1,062.4	387,988.89	752,252.53	32° 3′ 53.396 N	103° 39' 8.869 W
8,300.0	9.00	283.19	8,213.8	252.6	-1,077.6	387,992.46	752,237.30	32° 3′ 53.433 N	103° 39' 9.046 W
8,400.0	9.00	283.19	8,312.6	256.1	-1,092.9	387,996.03	752,222.07	32° 3′ 53.469 N	103° 39' 9.222 W
8,500.0	9.00	283.19	8,411.4	259.7	-1,108.1	387,999.60	752,206.84	32° 3' 53.505 N	103° 39' 9.399 W
8,600.0	9.00	283.19	8,510.1	263.3	-1,123.3	388,003.17	752,191.61	32° 3′ 53.541 N	103° 39' 9.576 W
8,700.0	9.00	283.19	8,608.9	266.9	-1,138.6	388,006.74	752,176.38	32° 3′ 53.578 N	103° 39' 9.753 W
8,800.0	9.00	283.19	8,707.7	270.4	-1,153.8	388,010.31	752,161.15	32° 3' 53.614 N	103° 39' 9.929 W
8,900.0	9.00	283.19	8,806.4	274.0	-1,169.0	388,013.88	752,145.91	32° 3' 53.650 N	103° 39' 10.106 W
9,000.0	9.00	283.19	8,905.2	277.6	-1,184.3	388,017.45	752,130.68	32° 3' 53.687 N	103° 39' 10.283 W
9,100.0	9.00	283.19	9,004.0	281.1	-1,199.5	388,021.02	752,115.45	32° 3' 53.723 N	103° 39' 10.459 W
9,200.0 9,300.0	9.00 9.00	283.19 283.19	9,102.7	284.7 288.3	-1,214.7 -1,230.0	388,024.59	752,100.22 752,084.99	32° 3' 53.759 N 32° 3' 53.795 N	103° 39' 10.636 W 103° 39' 10.813 W
9,400.0	9.00	283.19	9,201.5 9,300.3	291.8	-1,230.0 -1,245.2	388,028.16 388,031.73	752,064.99	32° 3′ 53.832 N	103° 39′ 10.990 W
9,400.0	9.00	283.19	9,303.4	291.0	-1,245.2 -1,245.7	388,031.84	752,069.70	32° 3' 53.833 N	103° 39' 10.995 W
9,500.0	7.06	283.19	9,399.3	295.0	-1,258.8	388,034.93	752,056.11	32° 3' 53.864 N	103° 39' 11.148 W
9,600.0	5.06	283.19	9,498.7	297.4	-1,269.1	388,037.34	752,045.83	32° 3' 53.889 N	103° 39' 11.267 W
9,700.0	3.06	283.19	9,598.5	299.1	-1,276.0	388,038.95	752,038.93	32° 3' 53.905 N	103° 39' 11.347 W
9,800.0	1.06	283.19	9,698.4	299.9	-1,279.5	388,039.77	752,035.43	32° 3' 53.913 N	103° 39' 11.388 W
9,853.1	0.00	0.00	9,751.5	300.0	-1,280.0	388,039.89	752,034.95	32° 3' 53.915 N	103° 39' 11.394 W
9,900.0	0.00	0.00	9,798.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,000.0	0.00	0.00	9,898.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,100.0	0.00	0.00	9,998.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,200.0	0.00	0.00	10,098.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,300.0	0.00	0.00	10,198.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,400.0	0.00	0.00	10,298.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,500.0	0.00	0.00	10,398.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,600.0	0.00	0.00	10,498.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3' 53.915 N	103° 39' 11.394 W

Planning Report - Geographic

Database: Old

Company: BTA Oil Producers, LLC
Project: Lea County, NM (NAD 83)

Site: Mesa Sec 11, T26S, R32E

Well: Mesa #65H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Mesa #65H

GL @ 3251.0usft GL @ 3251.0usft

Grid

Design:	Desig	JII # I							
Planned Survey		_							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,700.0	0.00	0.00	10,598.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,800.0	0.00	0.00	10,698.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
10,900.0	0.00	0.00	10,798.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,000.0	0.00	0.00	10,898.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,100.0	0.00	0.00	10,998.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,200.0		0.00	11,098.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,300.0		0.00	11,198.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,400.0		0.00	11,298.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,500.0		0.00	11,398.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3' 53.915 N	103° 39' 11.394 W
11,600.0		0.00	11,498.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3' 53.915 N	103° 39' 11.394 W
11,700.0		0.00	11,598.4	300.0	-1,280.0	388,039.89	752,034.95	32° 3′ 53.915 N	103° 39' 11.394 W
11,781.1	0.00	0.00	11,679.5	300.0	-1,280.0	388,039.89	752,034.95	32° 3' 53.915 N	103° 39' 11.394 W
11,800.0 11,856.1	0.00 0.00	0.00 0.00	11,698.4 11,754.5	300.0 300.0	-1,280.0 -1,280.0	388,039.89 388,039.89	752,034.95 752,034.95	32° 3' 53.915 N 32° 3' 53.915 N	103° 39' 11.394 W 103° 39' 11.394 W
11,900.0		179.34	11,798.3	298.0	-1,280.0 -1,280.0	388,037.87	752,034.97	32° 3' 53.895 N	103° 39' 11.393 W
12,000.0		179.34	11,896.2	278.5	-1,200.0	388,018.38	752,035.20	32° 3' 53.702 N	103° 39' 11.392 W
12,100.0		179.34	11,987.9	239.1	-1,279.3	387,978.96	752,035.65	32° 3' 53.312 N	103° 39' 11.390 W
12,200.0		179.34	12,069.4	181.5	-1,278.6	387,921.34	752,036.31	32° 3' 52.741 N	103° 39' 11.386 W
12,300.0		179.34	12,137.2	108.1	-1,277.8	387,848.04	752,037.16	32° 3' 52.016 N	103° 39' 11.382 W
12,400.0		179.34	12,188.2	22.4	-1,276.8	387,762.25	752,038.15	32° 3' 51.167 N	103° 39' 11.377 W
12,500.0		179.34	12,220.2	-72.2	-1,275.7	387,667.74	752,039.24	32° 3′ 50.232 N	103° 39' 11.371 W
12,600.0	89.26	179.34	12,232.0	-171.3	-1,274.6	387,568.62	752,040.38	32° 3' 49.251 N	103° 39' 11.365 W
12,606.1	90.00	179.34	12,232.0	-177.4	-1,274.5	387,562.47	752,040.45	32° 3′ 49.190 N	103° 39' 11.365 W
12,700.0	90.00	179.34	12,232.0	-271.3	-1,273.4	387,468.63	752,041.53	32° 3′ 48.261 N	103° 39' 11.359 W
12,800.0	90.00	179.34	12,232.0	-371.3	-1,272.3	387,368.64	752,042.69	32° 3' 47.272 N	103° 39' 11.353 W
12,900.0		179.34	12,232.0	-471.3	-1,271.1	387,268.65	752,043.84	32° 3' 46.282 N	103° 39' 11.347 W
13,000.0		179.34	12,232.0	-571.3	-1,270.0	387,168.66	752,044.99	32° 3′ 45.293 N	103° 39' 11.341 W
13,100.0		179.34	12,232.0	-671.3	-1,268.8	387,068.67	752,046.14	32° 3′ 44.303 N	103° 39' 11.335 W
13,200.0		179.34	12,232.0	-771.2	-1,267.6	386,968.68	752,047.30	32° 3' 43.314 N	103° 39' 11.329 W
13,300.0		179.34	12,232.0	-871.2	-1,266.5	386,868.69	752,048.45	32° 3' 42.324 N	103° 39' 11.322 W
13,400.0		179.34	12,232.0	-971.2	-1,265.3	386,768.70	752,049.60	32° 3' 41.335 N	103° 39' 11.316 W
13,500.0		179.34	12,232.0	-1,071.2 1,171.2	-1,264.2	386,668.72	752,050.76	32° 3' 40.345 N	103° 39' 11.310 W
13,600.0 13,700.0		179.34 179.34	12,232.0 12,232.0	-1,171.2 -1,271.2	-1,263.0 -1,261.9	386,568.73 386,468.74	752,051.91 752,053.06	32° 3' 39.355 N 32° 3' 38.366 N	103° 39' 11.304 W 103° 39' 11.298 W
13,800.0		179.34	12,232.0	-1,271.2 -1,371.2	-1,261.9 -1,260.7	386,368.75	752,053.00	32° 3' 37.376 N	103° 39' 11.292 W
13,900.0		179.34	12,232.0	-1,471.2	-1,259.6	386,268.76	752,055.37	32° 3′ 36.387 N	103° 39' 11.286 W
14,000.0		179.34	12,232.0	-1,571.2	-1,258.4	386,168.77	752,056.52	32° 3' 35.397 N	103° 39' 11.280 W
14,100.0		179.34	12,232.0	-1,671.2	-1,257.3	386,068.78	752,057.67	32° 3' 34.408 N	103° 39' 11.274 W
14,200.0	90.00	179.34	12,232.0	-1,771.2	-1,256.1	385,968.79	752,058.82	32° 3' 33.418 N	103° 39' 11.268 W
14,300.0		179.34	12,232.0	-1,871.2	-1,255.0	385,868.80	752,059.98	32° 3′ 32.429 N	103° 39' 11.262 W
14,400.0	90.00	179.34	12,232.0	-1,971.2	-1,253.8	385,768.81	752,061.13	32° 3′ 31.439 N	103° 39' 11.256 W
14,500.0	90.00	179.34	12,232.0	-2,071.2	-1,252.7	385,668.82	752,062.28	32° 3′ 30.450 N	103° 39' 11.250 W
14,600.0	90.00	179.34	12,232.0	-2,171.2	-1,251.5	385,568.83	752,063.44	32° 3′ 29.460 N	103° 39' 11.244 W
14,700.0	90.00	179.34	12,232.0	-2,271.1	-1,250.4	385,468.84	752,064.59	32° 3′ 28.471 N	103° 39' 11.237 W
14,800.0		179.34	12,232.0	-2,371.1	-1,249.2	385,368.85	752,065.74	32° 3' 27.481 N	103° 39' 11.231 W
14,900.0	90.00	179.34	12,232.0	-2,471.1	-1,248.1	385,268.86	752,066.89	32° 3' 26.492 N	103° 39' 11.225 W
15,000.0		179.34	12,232.0	-2,571.1	-1,246.9	385,168.87	752,068.05	32° 3' 25.502 N	103° 39' 11.219 W
15,100.0		179.34	12,232.0	-2,671.1	-1,245.7	385,068.88	752,069.20	32° 3' 24.513 N	103° 39' 11.213 W
15,200.0		179.34	12,232.0	-2,771.1	-1,244.6	384,968.90	752,070.35	32° 3' 23.523 N	103° 39' 11.207 W
15,300.0		179.34	12,232.0	-2,871.1	-1,243.4	384,868.91	752,071.51	32° 3' 22.533 N	103° 39' 11.201 W
15,400.0		179.34	12,232.0	-2,971.1 2,071.1	-1,242.3 1,241.1	384,768.92	752,072.66	32° 3′ 21.544 N	103° 39' 11.195 W
15,500.0		179.34 179.34	12,232.0	-3,071.1 -3 171 1	-1,241.1 -1,240.0	384,668.93 384,568.94	752,073.81 752,074,96	32° 3' 20.554 N	103° 39' 11.189 W
15,600.0 15,700.0		179.34	12,232.0 12,232.0	-3,171.1 -3,271.1	-1,240.0 -1,238.8	384,468.95	752,074.96 752,076.12	32° 3' 19.565 N 32° 3' 18.575 N	103° 39' 11.183 W 103° 39' 11.177 W
15,800.0		179.34	12,232.0	-3,371.1	-1,230.0	384,368.96	752,070.12	32° 3′ 17.586 N	103° 39' 11.171 W
10,000.0	30.00	170.04	12,202.0	0,07 1.1	1,201.1	00-7,000.00	102,011.21	02 0 11.000 N	100 00 11.171 11

Planning Report - Geographic

Old Database:

Design:

BTA Oil Producers, LLC Company: Project: Lea County, NM (NAD 83)

Mesa Sec 11, T26S, R32E Site: Well: Mesa #65H Wellbore:

Wellbore #1 Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Mesa #65H GL @ 3251.0usft

GL @ 3251.0usft Grid

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,900.0	90.00	179.34	12,232.0	-3,471.1	-1,236.5	384,268.97	752,078.42	32° 3′ 16.596 N	103° 39' 11.165 W
16,000.0	90.00	179.34	12,232.0	-3,571.1	-1,235.4	384,168.98	752,079.57	32° 3' 15.607 N	103° 39' 11.158 W
16,100.0	90.00	179.34	12,232.0	-3,671.1	-1,234.2	384,068.99	752,080.73	32° 3' 14.617 N	103° 39' 11.152 W
16,200.0	90.00	179.34	12,232.0	-3,771.0	-1,233.1	383,969.00	752,081.88	32° 3′ 13.628 N	103° 39' 11.146 W
16,300.0	90.00	179.34	12,232.0	-3,871.0	-1,231.9	383,869.01	752,083.03	32° 3′ 12.638 N	103° 39' 11.140 W
16,400.0	90.00	179.34	12,232.0	-3,971.0	-1,230.8	383,769.02	752,084.19	32° 3' 11.649 N	103° 39' 11.134 W
16,500.0	90.00	179.34	12,232.0	-4,071.0	-1,229.6	383,669.03	752,085.34	32° 3′ 10.659 N	103° 39' 11.128 W
16,600.0	90.00	179.34	12,232.0	-4,171.0	-1,228.5	383,569.04	752,086.49	32° 3′ 9.670 N	103° 39' 11.122 W
16,700.0	90.00	179.34	12,232.0	-4,271.0	-1,227.3	383,469.05	752,087.64	32° 3′ 8.680 N	103° 39' 11.116 W
16,800.0	90.00	179.34	12,232.0	-4,371.0	-1,226.1	383,369.06	752,088.80	32° 3′ 7.690 N	103° 39' 11.110 W
16,900.0	90.00	179.34	12,232.0	-4,471.0	-1,225.0	383,269.08	752,089.95	32° 3' 6.701 N	103° 39' 11.104 W
17,000.0	90.00	179.34	12,232.0	-4,571.0	-1,223.8	383,169.09	752,091.10	32° 3′ 5.711 N	103° 39' 11.098 W
17,100.0	90.00	179.34	12,232.0	-4,671.0	-1,222.7	383,069.10	752,092.25	32° 3′ 4.722 N	103° 39' 11.092 W
17,200.0	90.00	179.34	12,232.0	-4,771.0	-1,221.5	382,969.11	752,093.41	32° 3′ 3.732 N	103° 39' 11.086 W
17,300.0	90.00	179.34	12,232.0	-4,871.0	-1,220.4	382,869.12	752,094.56	32° 3′ 2.743 N	103° 39' 11.080 W
17,400.0	90.00	179.34	12,232.0	-4,971.0	-1,219.2	382,769.13	752,095.71	32° 3′ 1.753 N	103° 39' 11.073 W
17,415.9	90.00	179.34	12,232.0	-4,986.9	-1,219.0	382,753.20	752,095.90	32° 3′ 1.596 N	103° 39' 11.072 W

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Mesa #65H BHL - plan hits target cent - Point	0.00 ter	0.00	12,232.0	-4,986.9	-1,219.0	382,753.20	752,095.90	32° 3′ 1.596 N	103° 39' 11.072 W

CASING HANGER, C-22, 13-5/8" X 5-1/2"

CASING HANGER, MDRL, 13-5/8" X 7-5/8"



TOTAL LENGTH = 78'-3/8"

7-1/16" 10M

13-5/8" 5M

TUBING SPOOL

SW-TCM

13-5/8" 5M x 7-1/16" 10M

5-1/2" PP SEAL

w/ (2) 1-13/16" 10M SSO

SW-MB SPOOL ASSEMBLY

UPPER MBH

13-5/8" 5M x 13-5/8" 5M

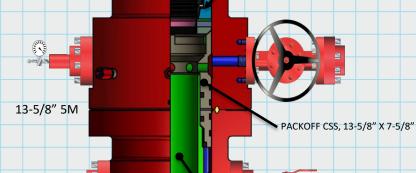
w/ (2) 2-1/16" 5M SSO

CASING HEAD ASSEMBLY

LOWER MBH

13-5/8" 5M x 10-3/4" SOW

w/ (2) 2-1/16" 5M SSO



10-3/4" SOW x 7-5/8" x 5-1/2"





Well Name: MESA 8105 11 FEDERAL



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT SUPO Data Report

APD ID: 10400058896

Submission Date: 07/09/2020

Highlighted data reflects the most

Operator Name: BTA OIL PRODUCERS LLC

Well Number: 65H

recent changes **Show Final Text**

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

19111284_Mesa_8105_11_Federal_65H_Topographical___Access_Rd_20200709144826.pdf

Existing Road Purpose: ACCESS Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

19111284_Mesa_8105_11_Federal_65H_1_Mile_Radius___C102_20200709144850.pdf

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: Defer, CTB will be sundried at a later date.

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: PIT

Water source use type: SURFACE CASING

STIMULATION

DUST CONTROL

INTERMEDIATE/PRODUCTION

CASING

Source latitude: Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: PRIVATE

Water source volume (barrels): 100000 Source volume (acre-feet): 12.88930963

Source volume (gal): 4200000

Water source and transportation map:

MESA_8105_FEDERAL_WATER_TRANSPORT_MAP_20200527085530.pdf

Water source comments: Water Pit is in SESE QUARTER QUARTER OF SEC 1; T26S; R32E

New water well? N

New Water Well Info

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Well latitude: Well Longitude: Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft): Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft): Well casing type:

Well casing outside diameter (in.): Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method: Drill material:

Grout material: Grout depth:

Casing length (ft.): Casing top depth (ft.):

Well Production type: Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche used for construction of the drilling pad and access road will be obtained from the closest existing caliche pit as approved by the BLM or from prevailing deposits found under the location. If there is not sufficient material available, caliche will be purchased from the nearest caliche pit located in the SESE Quarter Quarter of Section 4 T26S R32E Lea County, NM.

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: Trash

Amount of waste: 500 pounds

Waste disposal frequency: One Time Only

Safe containment description: Trash produced during drilling and completion operations will be collected in a trash

container and disposed of properly. Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: Trucked to a state approved disposal facility.

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Waste type: SEWAGE

Waste content description: Human waste and grey water.

Amount of waste: 1000 gallons

Waste disposal frequency: One Time Only

Safe containment description: Waste material will be stored safely and disposed of properly.

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: Trucked to a state approved disposal facility.

Waste type: DRILLING

Waste content description: Drilling fluids and cuttings.

Amount of waste: 4164 barrels

Waste disposal frequency: One Time Only

Safe containment description: All drilling fluids will be stored safely and disposed of properly.

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: Trucked to a state approved disposal facility.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Description of cuttings location

Cuttings area length (ft.) Cuttings area width (ft.)

Cuttings area depth (ft.) Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Rig Layout 20190930140859.pdf

Mesa_8105_11_Federal_65H_Well_Site_Plan_Revised_20200903125522.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance Multiple Well Pad Name: MESA 8105 11 FEDERAL

Multiple Well Pad Number: 62H, 63H, 64H, and 65H

Recontouring attachment:

Drainage/Erosion control construction: During construction proper erosion control methods will be used to control erosion, runoff, and siltation of the surrounding area.

Drainage/Erosion control reclamation: Proper erosion control methods will be used on the area to control erosion, runoff, and siltation of the surrounding area.

Well pad proposed disturbance

(acres): 6.75

Road proposed disturbance (acres): 0 Road interim reclamation (acres): 0

Well pad interim reclamation (acres):

Well pad long term disturbance

(acres): 6.06

(acres): 0

Road long term disturbance (acres): 0

Powerline proposed disturbance

(acres): 0

Pipeline proposed disturbance

(acres): 0

Other proposed disturbance (acres): 0

Powerline interim reclamation (acres): Powerline long term disturbance

Pipeline interim reclamation (acres): 0 Pipeline long term disturbance

(acres): 0 Other interim reclamation (acres): 0

Other long term disturbance (acres): 0

Total interim reclamation: 0.69

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Total proposed disturbance: 6.75 Total long term disturbance: 6.06

Disturbance Comments:

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations.

Soil treatment: To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

Existing Vegetation at the well pad: The historic climax plant community is a grassland dominated by black grama, dropseeds, and blue stems with sand sage and shinnery oak distributed evenly throughout. Current landscape displays mesquite, shinnery oak, yucca, desert sage, fourwing saltbush, snakeweed, and bunch grasses.

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation?

Seed harvest description:

Seed harvest description attachment:

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Seed Management

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type

Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: Chad Last Name: Smith

Phone: (432)682-3753 Email: csmith@btaoil.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: No invasive species present. Standard regular maintenance to maintain a clear location and road.

Weed treatment plan attachment:

Monitoring plan description: Identify areas supporting weeds prior to construction; prevent the introduction and spread of weeds from construction equipment during construction; and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

Monitoring plan attachment:

Success standards: To maintain all disturbed areas as per Gold Book standards.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Disturbance type: WELL PAD

Describe:

Surface Owner:

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other Information

Right of Way needed? N

Use APD as ROW?

ROW Type(s):

ROW Applications

SUPO Additional Information:

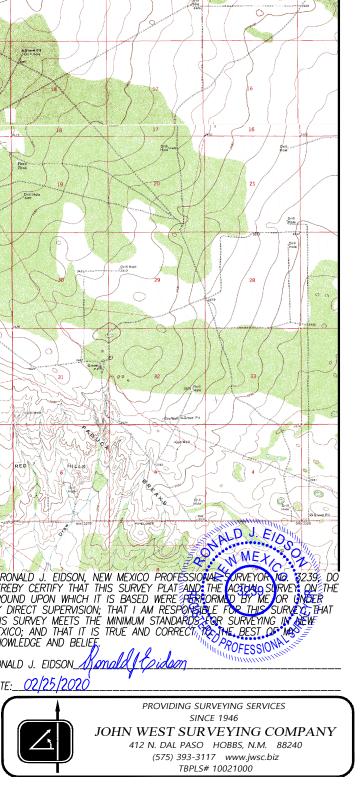
Use a previously conducted onsite? Y

Previous Onsite information: Onsite conducted by McKenna Ryder BLM on 6/16/2020

Other SUPO Attachment

U.S.G.S. TOPOGRAPHIC MAP

Released to Finaging 14/278202 V TY: 12.143PAM.



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DISTRICT III
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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

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

□AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

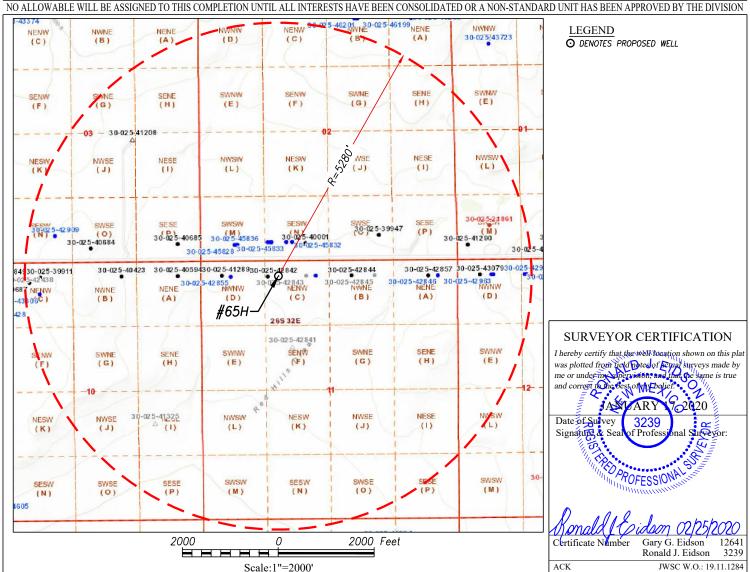
P	220 S. St. Francis Dr., Santa Fe, NM 87 hone: (505) 476-3460 Fax: (505) 476-3-	WELL LO	OCATION AND A	CREAGE DEDICATION PLAT				
Γ	API Number		Pool Code Pool Name					
				WC-025; Upper Wolfcamp				
Г	Property Code		Prope	erty Name	Well Number			
			MESA 8105 11 FEDERAL					
Г	OGRID No.		Opera	ntor Name	Elevation			
	260297		BTA OIL PRO	DDUCERS, LLC	3251'			

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
C	11	26-S	32-E		320	NORTH	1610	WEST	LEA	
D. H. H. H. L.										

Bottom Hole Location If Different From Surface

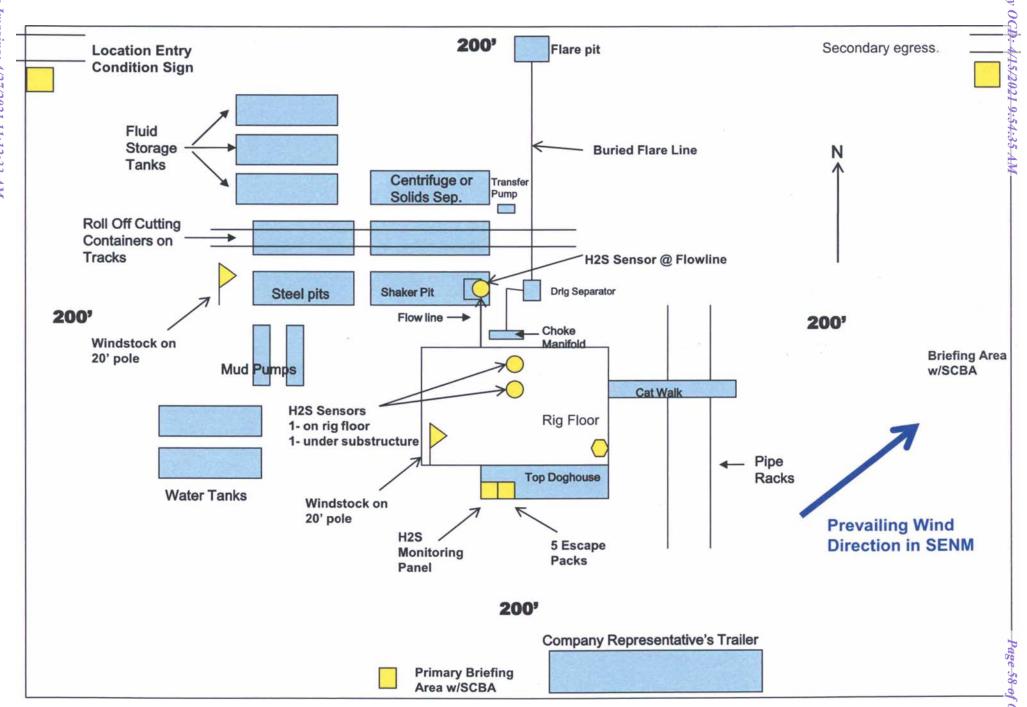
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	26-S	32-E		50	SOUTH	330	WEST	LEA
Dedicated Acres Joint or Infill		Infill (Consolidation C	ode Ord	er No.				
160									

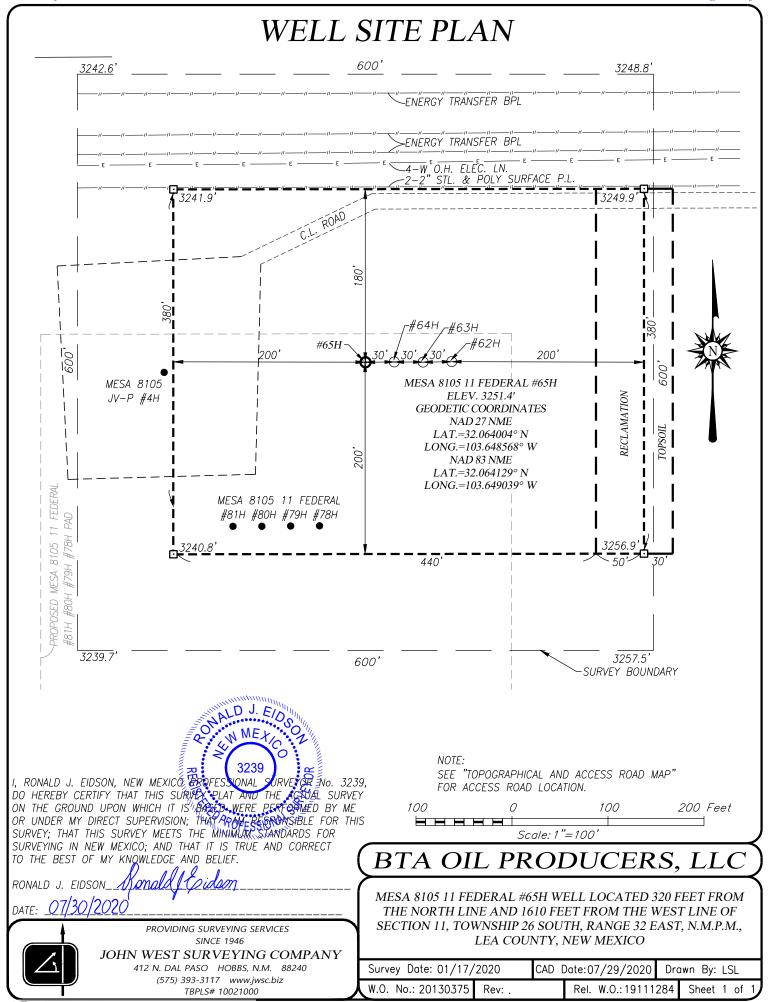




BTA OIL PRODUCERS, LLC
WATER TRANSPORTATION MAP
MESA 8105 FEDERAL WATER TRANSPORT MAP
SEC 1; T26S; R32E (Water Pit is in SESE QUARTER QUARTER)
LEA COUNTY, NM









U.S. Department of the Interior

PWD Data Report

PWD disturbance (acres):

BUREAU OF LAND MANAGEMENT

APD ID: 10400058896 Submission Date: 07/09/2020

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Well Type: OIL WELL Well Work Type: Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: Injection well name:

Assigned injection well API number? Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Well Name: MESA 8105 11 FEDERAL Well Number: 65H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Bond Info Data Report

04/14/2021

APD ID: 10400058896

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MESA 8105 11 FEDERAL

Well Type: OIL WELL

Submission Date: 07/09/2020

Highlighted data reflects the most recent changes

Show Final Text

Well Work Type: Drill

Well Number: 65H

Bond Information

Federal/Indian APD: FED

BLM Bond number: NMB001711

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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DISTRICT IV

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

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

□AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-48719	98158 Pool Code	WC-025; Upper Wolfcamp			
Property Code 328173		erty Name 5 11 FEDERAL	Well Number 65H		
OGRID №. 260297		ator Name ODUCERS, LLC	Elevation 3251'		

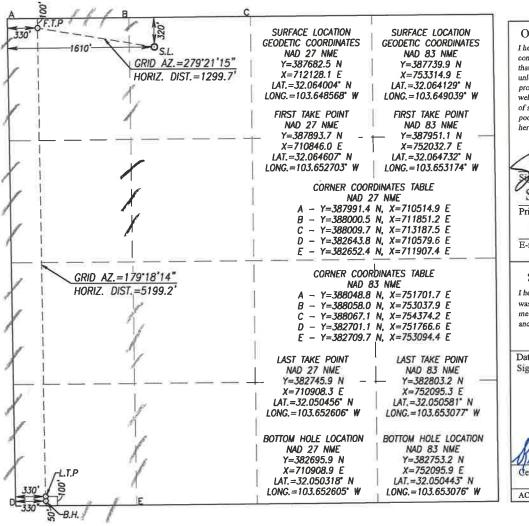
Surface Location

Ĭ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	C	11	26-S	32-E		320	NORTH	1610	WEST	LEA

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
M	11	26-S	32-E		50	SOUTH	330	WEST	LEA
Dedicated Acres	Joint or	Infill	Consolidation C	ode Ord	er 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



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 7/9/2020
Sammy Hajar

Printed Name

SHAJAR@BTAOIL.COM

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the Well to antion shown on this plat was plotted from field bates of begun stayers made by me or under my unper 1800, and that the same is true and correct to the best of the

Date of Survey 3239 Signature & Seal of Professional Survey of Profe

Ronald & idean 02/25/20

Certificate Number

Gary G. Eidson 12641 Ronald J. Eidson 3239

JWSC W.O : 19.11.1284

District 1 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Original to Appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Date:5/27/2020	GAS CAPTURE PLAN	
☑ Original	Operator & OGRID No.:	260297
☐ Amended - Reason for Amendment:		

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility - Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location	Footages	Expected	Flared or	Comments
		(ULSTR)		MCF/D	Vented	
MESA 8105 11	025-48719	SEC 11; 26S; 32E	320 FNL 1610 FWL	2000	Flared	Battery Connected
FEDERAL 65H			101012			To ETP System

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Gas Transporter and will be connected to Gas Transporter low/high pressure gathering system located in LEA County, New Mexico. It will require 0 'of pipeline to (ETP) connect the facility to low/high pressure gathering system. Operator provides (periodically) to Gas Transporter a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Operator and Gas Transporter have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Gas Transporter Processing Plant located in Sec.____, Twn.____, Rng. County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Gas Transporter system at that time. Based on current information, it is Operator's belief the system can take this gas upon completion of the well(s)

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
 - o Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease

Released to Imaging: 4/27/2021 II:12:33 AM

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 24168

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
BTA OIL PRODUCERS, LLC	104 S Pecos	Midland, TX79701	260297	24168	FORM 3160-3

OCD Reviewer	Condition
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string