Form 3 (Febru	ary 2005)	COP	Y	FORM A OMB No. Expires M	PPROVED 1004-0137 arch 31, 2007
	DEPOTOD GE THE L	NTERIOR		5 Lease Serial No. NM 14492	$\langle H \rangle$
	APPLICATION FOR PERMIT TO	DRILL OR REENTER	CD	6. If Indian, Allotee	or Tribe Name 🔪 🧹
la.	Type of work: DRILL REENTE	R OCTO	7 2015	7 If Unit or CA Agree	ment, Name and No.
b.	Type of Well: 🗸 Oil Well Gas Well Other	✓ Single Zone Mu	Itiple Zone	8. Lease Name and W Mesa 8105 JV-	P #5H 305301
2 1	Name of Operator BTA Oil Producers, LLC 260	297> REC	Elve	9 API Well No. 30-025 4-2	.843 .
3a. /	Address 104 S. Pecos Midland, TX 79701	3b. Phone No. (include area code) (432) 682-3753		10. Field and Pool, or E Jennings; Upp	er Bone Spring Shale
4. I	Location of Well (Report location clearly and in accordance with any	y State requirements *)		11. Sec., T. R. M. or Bl	k. and Survey or Area
1	At surface 330' FNL & 2198' FWL UL -C- At proposed prod. zone 230' FSL & 2198' FWL UL -N-	UNORTHODO	X	Sec. 11, T26S-I	R32E
4. D	istance in miles and direction from nearest town or post office* 25 miles west from Jal, NM	LUCATION	1	12. County or Parish Lea	13. State NM
5. D lo p	histance from proposed* ocation to nearest roperty or lease line, ft Also to nearest drig, unit line, if any) 230*	16. No. of acres in lease 1960	17. Spacin 160 a	ng Unit dedicated to this v acres	vell
8. D to ap	istance from proposed location* nearest well, drilling, completed, oplied for, on this lease, ft. 884' BHL to BHL	19 Proposed Depth 14,104' MD 9,520' TVD	20 BLM/ NMI	/BIA Bond No. on file 195 NMB000849	
1. E	Elevations (Show whether DF, KDB, RT, GL, etc.) 3254' GL	22. Approximate date work will 01/01/2014	start*	23. Estimated duration 45 days	1
		24. Attachments			
he fo . We A I SU	Ilowing, completed in accordance with the requirements of Onshor ell plat certified by a registered surveyor. Drilling Plan. Surface Use Plan (if the location is on National Forest System PO must be filed with the appropriate Forest Service Office).	Lands, the Carlo Conternation of the second	e attached to the er the operation (c). (ification (ite specific inf	his form: ons unless covered by an formation and/or plans as	existing bond on file (see may be required by the
5. S	ignature Rom Omfeer	Name (Printed Typed) Pam Inskeep			Date 10/07/2014
itle	Regulatory Administrator				
ppro	ved by (Signature) Steve Caffey	Name (Printed Typed)			DateOCT - 6 2015
itle	FIELD MANAGER	Office CA	RLSBAD	FIELD OFFICE	
pplic	cation approval does not warrant or certify that the applicant hold: et operations thereon.	s legal or equitable title to those r	ights in the su	bject lease which would e	ntitle the applicant to

*(Instructions on page 2)

Carlsbad Controlled Water Basin

KE 10108114

Approval Subject to General Requirements & Special Stipulations Attached SEE ATTACHED FOR CONDITIONS OF APPROVAL

OCT 0 8 2015



1. Geologic Formations

TVD of target	9520	Pilot hole depth	N/A
MD at TD:	14104	Deepest expected fresh water:	175

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	HOBBS OCD
Rustler	682	Water	-
Top of Salt	1312	Salt	OCT 0 7 201
Base of Salt	4384	Salt	
Delaware	4612	Oil/Gas	
Cherry Canyon	5862	Oil/Gas	RECEIVED
Brushy Canyon	7136	Oil/Gas	
Bone Spring	8877	Oil/Gas/Target	
Atoka			
Morrow			
Barnett Shale			
Woodford Shale			
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

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

Back Reef

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Surface Formation		×	
Rustler			
Top of Salt			
Tansill			
Yates			
Seven Rivers			
Queen			
San Andres			
Glorieta			
Yeso			
Abo			
Wolfcamp			
Cisco			

1 Drilling Plan

Canyon	
Strawn	
Atoka	
Morrow	
Barnett Shale	
Woodford Shale	
Devonian	_
Fusselman	
Ellenburger	
Granite Wash	

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

Reef

Formation	Depth (TVD) from KB)	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Alluvium		8	
Rustler			
Top of Salt			
Tansill			
Yates			
Seven Rivers			
Capitan Reef			
Delaware Group			
Bone Spring	-		
3rd Bone Spring Lime			
Wolfcamp			
Cisco			
Canyon			
Strawn			
Atoka			
Morrow			
Barnett Shale			
Woodford Shale			
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

*H2S, waterflows, loss of circulation, abnormal pressures, etc.

5	2.	Casing	Program
Non	CA	A	

Hole Size	Casing Interval		Csg.Siz	Sg.Siz Weight Grade Cor		Conn.	ı. SF S		SF SF
	From	To	e	(lbs)		and a loss	Collapse	Burst	Tension
17.5"	0	725 790	13.375"	54.5	J55	STC	1.43	1.26	2.59
12.25"	0	4600	9.625"	40	J55	LTC	1.19	1.89	2.1
8.75"	0	9795	5.5"	17	P110	LTC	1.56	1.6	2.63
7.875"	9795	14104	5.5"	17	P110	LTC	1.56	1.786	1.91
				BLM Min	imum Safe	ty Factor	1.125	1	1.6 Dry

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

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
In wall located within Coniton Dear	N
If yes, does production assing semant tie back a minimum of 50' above the Peof?	NI/A
In yes, does production casing cement the back a minimum of 50° above the Reel?	NI
is well within the designated 4 string boundary.	IN IN IN IN
Is well located in SOPA but not in R-111-P?	Y
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	Y
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	N/A
Is 2 nd string set 100' to 600' below the base of salt?	N/A
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	N/A
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	N/A
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	N/A

3. Cementing Program

Casing	#Sks	Wt. lb/ Gal	Yld ft3/ sack	H20 gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	570	13.5	1.75	8	10	Lead: Class C
_	200	14.8	1.34	8	8	Tail: Class C, circ to surf, 100% excess
Inter.	950	12.7	1.94	8	15	1st stage Lead: Class C Blend
	250	14.8	1.33	8	10	1st stage Tail: Class C, eire to surf, 65% excess
				1	1	
Prod.	1000	11.3	2.92	8	14	1 st Lead: 50:50 Blend Class H
	950	14.4	1.22	8	10	1stTail: 50:50 Blend Class H

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0,	100%
Intermediate	0*	65%
Production	4100*	20%

Include Pilot Hole Cementing specs: Pilot hole depth N/A KOP 9043

Plug	Plug	%	No.	Wt.	Yld	Water	Slurry Description and
top	Bottom	Excess	Sacks	lb/gal	ft3/sack	gal/sk	Cement Type

4. Pressure Control Equipment

 \mathbb{N}^{0} A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		Type		Туре		-	Tested to:	
			An	nular	X	50% of working pressure					
			Blin	d Ram	X						
12-1/4"	13-5/8"	3M	Pipe	e Ram	X	214					
			Doub	le Ram		3 M					
			Other*								
	9-5/8**		An	nular	X	50% testing pressure					
			Blin	d Ram	X						
9.2/47		23.4	Pipe Ram Double Ram		X						
0-3/4		31/1				3 M					
			Other *								
			An	nular							
			Blin	d Ram							
			Pipe Ram Double Ram								
			Other *								

*Specify if additional ram is utilized.

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

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

Х	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
	A variance is requested for the use of a flexible choke line from the BOP to Choke
16	Manifold. See attached for specs and hydrostatic test chart.
NO	Y /N Are anchors required by manufacturer?
No	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of

30 days. If any seal subject to test pressure is broken the system must be tested.

N/A

See attached schematic.

5. Mud Program

See

Depth		Туре	Weight (ppg)	Viscosity	Water Loss	
From	То			Non Sta		
0	725 790	FW Spud	8.5-8.8	35-45	N/C	
725	4600	Saturated Brine	10.0-10.2	28-34	N/C	
4600	TD	Cut Brine	8.6-9.2	28-34	N/C	

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

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

6. Logging and Testing Procedures

Log	ging, Coring and Testing.
Х	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
X	Drill stem test? If yes, explain - will be run based on geological sample shows
	Coring? If yes, explain

Add	litional logs planned	Interval
X	Resistivity	Int. shoe to KOP
X	Density	Int. shoe to KOP
¥	CBL	Production casing
Х	Mud log	Intermediate shoe to TD
	PEX	

6 Drilling Plan

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4130 psi
Abnormal Temperature	Yes/No

Mitigation measure for abnormal conditions. Describe. No abnormal pressures or temperatures are anticipated. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well.

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

_	H2S is present
Х	H2S Plan attached

8. Other facets of operation

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

Attachments <u>x</u> Directional Plan Other, describe



BTA Oil Producers, LLC

Lea County, NM Sec 11, T26S, R32E (Mesa) 8105 JV-P Mesa #05H

Wellbore #1

Plan: Design #1

Standard Planning Report

24 November, 2014

Attachment to APD BTA Oil Producers LLC Mesa 8105 JV-P #5H UL C Sec 11, T26S, R32E Lea County, NM

BTA

Planning Report

Database:	EDM 5000.1	Single User Db	ana kanananan kang	Local Co	-ordinate Refe	erence:	Well 8105 J\	/-P Mesa #05H	1	
Company:	BTA Oil Producers, LLC Lea County, NM Sec 11, T26S, R32E (Mesa)			TVD Refe	TVD Reference:GL @ 3254.0usftMD Reference:GL @ 3254.0usft					
Project:				MD Refe						
Site:				North Re	ference:		Grid		1	
Well:	8105 JV-P N	lesa #05H	Survey C	alculation Me	thod:	Minimum Cu	rvature			
Wellbore:	Wellbore #1		E. Carlo							
Design:	Design #1									
Project	Lea County, I	NM, Lea County	, NM	nan anna ann an anna an saos	Martine Contraction		and which the second		and the second second second second	
Map System:	US State Plane	9 1927 (Exact so	olution)	System Da	atum:		Ground Level			
Geo Datum:	NAD 1927 (NA	DCON CONUS)							
Map Zone:	New Mexico E	ast 3001								
Site	Sec 11, T26S	, R32E (Mesa)				No. of Concession, Name				
Site Position:			Northing:	38	7,664.40 usft	Latitude:			32° 3' 50.311 N	
From:	Map		Easting:	71	0,948.70 usft	Longitude:			103° 39' 8.553 W	
Position Uncertainty:		0.0 usft	Slot Radius:		13-3/16 "	Grid Conve	rgence:		0.36 *	
Well	8105 JV-P Me	sa #05H						AN AND A COMPANY		
Well Position	+N/-S	12.2 usft	Northing:	THE STORY DRIVEN ADDRESSES	387,676.6	0 usft L	atitude:		32° 3' 50.321 N	
	+E/-W	1,767.5 usft	Easting:		712,716.2	0 usft L	ongitude:		103° 38' 48.013 W	
Position Uncertainty		0.0 usft	Wellhead Ele	evation:	0.	.0 usft G	round Level:		3,254.0 usft	
Wellbore	Wellbore #1			A MELTINGER COLOR	Streep and the streep and			La resta service res		
Wellbore Magnetics	Wellbore #1 Model Na	ime	Sample Date	Declin	ation	Dij	Angle	Field	Strength	
Wellbore Magnetics	Wellbore #1 Model Na IGRF	ime 200510	Sample Date 11/24/2014	Declin (*)	ation) 7.19	Dij) Angle (°) 59.97	Field	Strength (nT) 48,220	
Wellbore Magnetics Design	Wellbore #1 Model Na IGRF Design #1	ime 200510	Sample Date 11/24/2014	Declin (°	ation) 7.19	Dij	Angle (°) 59.97	Field	Strength (nT) 48,220	
Wellbore Magnetics Design Audit Notes:	Wellbore #1 Model Na IGRF Design #1	ame 200510	Sample Date 11/24/2014	Declin (°	ation) 7.19	Di	<mark>ም Angle</mark> (°) 59.97	Field	Strength (nT) 48,220	
Wellbore Magnetics Design Audit Notes: Version:	Wellbore #1 Model Na IGRF Design #1	ime 200510	Sample Date 11/24/2014 Phase:	Declin (* PROTOTYPE	ation) 7.19 T	Dij	o Angle (°) 59.97	7 0.0	Strength (nT) 48,220	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section:	Wellbore #1 Model Na IGRF Design #1	200510 Depth F	Sample Date 11/24/2014 Phase: rom (TVD)	Declin (* PROTOTYPE +N/-S	ation) 7.19 T	Dij ie On Depth: :E/-W	<mark>ን Angle</mark> (°) 59.97	Field 7 0.0 Direction	Strength (nT) 48,220	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section:	Wellbore #1 Model Na IGRF Design #1	ame 200510 Depth F (u	Sample Date 11/24/2014 Phase: rom (TVD) isft)	Declin (* PROTOTYPE +N/-S (usft)	ation) 7.19 T + (Dij ie On Depth: :E/-W usft)	<mark>ም Angle</mark> (°) 59.97	Field 7 0.0 Direction (")	Strength (nT) 48,220	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section:	Wellbore #1 Model Na IGRF Design #1	ime 200510 Depth F {u	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0	Declin (* PROTOTYPE +N/-S (usft) 0.0	ation) 7.19 T + (Dij ie On Depth: E/-W usft) 0.0	o Angle (°) 59.97	Field 7 0.0 Direction (*) 179.30	Strength (nT) 48,220	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections	Wellbore #1 Model Na IGRF Design #1	ame 200510 Depth F (u	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0	Declin (* PROTOTYPE +N/-S (usft) 0.0	ation) 7.19 T + (Dij ie On Depth: E/-W usft) 0.0	59.97	Field 7 0.0 Direction (°) 179.30	Strength (nT) 48,220	
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Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth (usft) (0.0	Wellbore #1 Model Na IGRF Design #1 Design #1	Depth F 200510 Depth F (u vertic nuth Dep) (ust	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0	Declin (* PROTOTYPE +N/-S (usft) 0.0 +E/-W (usft)	ation) 7.19 T + (Dogleg Rate (*/100usft) 0.00	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft	Angle (°) 59.97 59.97 Turn Rate) (°/100usft) 00 0.0	Field 7 0.0 Direction (*) 179.30 TFO (*) 200 0.000	Strength (nT) 48,220 Target	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth inclir (usft) (0.0	Wellbore #1 Model Na IGRF Design #1 Design #1	Depth F 200510 Depth F (u (vertic nuth Dep) (ust 0.00	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0	Declin (* PROTOTYPE +N/-S (usft) 0.0 +E/-W (usft) 0.0 0.0	ation) 7.19 T + (Dogleg Rate (*/100usft) 0.00	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft	Turn Rate) (*/100usft)	Field 7 0.0 Direction (°) 179.30 TFO (°) 20 0.00	Strength (nT) 48,220 Target	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth inclin (usft) (0.0 Planned Survey	Wellbore #1 Model Na IGRF Design #1 Design #1	Ime 200510 Depth F (u (u th Dept)) (ust	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0	Declin (* PROTOTYPE +N/-S (usft) 0.0 +E/-W (usft)	ation) 7.19 T + (Dogleg Rate (*/100usft) 0.00	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft	Turn Rate) (°/100usft)	Field 7 0.0 Direction (°) 179.30 TFO (°) 20 0.00	Strength (nT) 48,220 Target	
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Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Inclir (usft) (0.0 Planned Survey Measured Depth (usft)	Wellbore #1 Model Na IGRF Design #1 Design #1 (* 0.00	Depth F 200510 Depth F (u (u vertic nuth Dep) (usf 0.00 Azimuth (°)	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0 Vertical Depth (usft)	Declin (* PROTOTYPE +N/-S (usft) 0.0 0.0 +E/-W (usft) 0.0 0.0	ation) 7.19 T + (Dogleg Rate (*/100usft) 0.00 +E/-W (usft)	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft 0 0.1	Angle (°) 59.97 Turn Rate) (*/100usft) Dogleg Rate (*/100usft)	Field 7 0.0 Direction (°) 179.30 TFO (°) 200 0.00 Build Rate (°/100usft)	Strength (nT) 48,220 Target	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth inclir (usft) (0.0 Planned Survey Measured Depth (usft)	Wellbore #1 Model Ni IGRF Design #1 Design #1 0.00	The second secon	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0.0 Vertical Depth (usft) 0.0	Declin (*) PROTOTYPE +N/-S (usft) 0.0 0.0 +E/-W (usft) 0.0 0.0	ation) 7.19 T + (Dogleg Rate (*/100usft) 0.00 +E/-W (usft) 0.0	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft 0 0.1 Vertical Section (usft) 0.0	Angle (°) 59.97 59.97 59.97 59.97 0.00 Turn Rate (*/100usft) 0.00 0.0	Field 7 0.0 Direction (°) 179.30 TFO (°) 20 0.00 Build Rate ('/100usft) 0.00	Strength (nT) 48,220 Target	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth inclir (usft) (0.0 Planned Survey Measured Depth (usft) 0.0 9 042 5	Wellbore #1 Model Ni IGRF Design #1 Design #1 0.00	ame 200510 Depth F (u vertic nuth Dep) (ust 0.00 Azimuth (°) 0.00 0.00	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0.0 0.0 Vertical Depth (usft) 0.0 9.042.5	Declin (*) PROTOTYPE +N/-S (usft) 0.0 0.0 +E/-W (usft) 0.0 0.0	ation) 7.19 T + (Dogleg Rate (*/100usft) 0.00 +E/-W (usft) 0.0 0.0	Dij lie On Depth: E/-W usft) 0.0 Build Rate (*/100usft 0 0.4 Vertical Section (usft) 0.0	Angle (°) 59.97 59.97 59.97 Turn Rate (*/100usft) 00 0.0 Dogleg Rate (*/100usft) 0.00 0.00	Field 7 0.0 Direction (°) 179.30 TFO (°) 200 0.00 Build Rate (°/100usft) 0.00 0.00	Strength (nT) 48,220 Target	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth inclir (usft) (0.0 Planned Survey Measured Depth (usft) 0.0 9,042.5 9.792.5	Wellbore #1 Model Na IGRF Design #1 Design #1 0.00 Inclination (°) 0.00	ame 200510 Depth F (u vertic nuth Dep) (ust 0.00 Azimuth (°) 0.00 0.00 179.30	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0.0 0.0 Vertical Depth (usft) 0.0 9,042.5 9,520.0	Declin (* PROTOTYPE +N/-S (usft) 0.0 0.0 +E/-W (usft) 0.0 0.0 +N/-S (usft) 0.0 0.0 -477.4	ation) 7.19 T + (Dogleg Rate ('/100usft) 0.00 +E/-W (usft) 0.0 0.0 5.8	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft 0 0.1 Vertical Section (usft) 0.0 0.0 477.5	Angle (°) 59.97 59.97 59.97 Turn Rate (*/100usft) 00 0.0 Dogleg Rate (*/100usft) 0.00 0.00 12.00	Field 7 0.0 Direction (°) 179.30 TFO (°) 200 0.00 8 0.00 0.00 12.00	Strength (nT) 48,220 Target	
Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth inclir (usft) (0.0 Planned Survey Measured Depth (usft) 0.0 9,042.5 9,792.5 14,104.2	Wellbore #1 Model Ni IGRF Design #1 0.00 Inclination (°) 0.00	ame 200510 Depth F (u (u (u thuth Dep) (ust 0.00 Azimuth (°) 0.00 0.00 179.30	Sample Date 11/24/2014 Phase: rom (TVD) isft) 0.0 cal th +N/-S t) (usft) 0.0 0.0 0 Vertical Depth (usft) 0.0 9,042.5 9,520.0 9,520.0	Declin (*) PROTOTYPE +N/-S (usft) 0.0 0.0 +E/-W (usft) 0.0 0.0 +N/-S (usft) 0.0 0.0 -477.4 -4,788.8	ation) 7.19 T + (Dogleg Rate ('/100usft) 0.00 +E/-W (usft) 0.0 0.0 5.8 58.1	Dij ie On Depth: E/-W usft) 0.0 Build Rate (*/100usft 0 0.1 Vertical Section (usft) 0.0 0.0 477.5 4,789.2	Angle (°) 59.97 59.97 Turn Rate (*/100usft) 00 0.0 Dogleg Rate (*/100usft) 0.00 0.00 12.00 0.00	Field 7 0.0 Direction (°) 179.30 TFO (°) 200 0.00 Build Rate (°/100usft) 0.00 0.00 12.00 0.00	Strength (nT) 48,220 Target	

BTA

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.1 Single User Db BTA Oil Producers, LLC Lea County, NM Sec 11, T26S, R32E (Mesa) 8105 JV-P Mesa #05H Wellbore #1 Design #1			Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:		Well 8105 . GL @ 3254 GL @ 3254 Grid Minimum C	Well 8105 JV-P Mesa #05H GL @ 3254.0usft GL @ 3254.0usft Grid Minimum Curvature		
Design Targets	Steroman	Na ana an	2		National A				
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 #5H BHL - plan hits target o - Point	0.00 center	0.00	9,520.0	-4,788.8	58.1	382,887.80	712,774.30	32° 3' 2.928 N	103° 38' 47.692 W



BTA Oil Producers, LLC Mesa 8105 JV-P #5H 330' FNL & 2198' FWL Sec. 11, T26S-R32E Lea County, NM

COPY

hydraulically operated and the ram type preventer will be equipped equipment will be tested as per BLM drilling operations order No 2. preventer and a bag type (Hydril) preventer (3000 psi WP). Will be The 13-5/8" blowout preventer equipment (BOP) shown in exhibit with blind rams on top and 4-1/2" drill pipe rams on bottom. The A will consist of a (3M system) double ram type (3000 psi WP) continuously until TD is reached. All BOP's and associated BOP's will be installed don the 13-3/8" casing and utilized

type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having a 3000 psi choke line will be incorporated in the drilling spool below the ram 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. A 2" kill line and 3" WP rating.

COPY

BTA Oil Producers, LLC Mesa 8105 JV-P #5H 330' FNL & 2198' FWL Sec. 11, T26S-R32E Lea County, NM

3,000 psi BOP Schematic



Exhibit A

BTA Oil Producers, LLC Mesa 8105 JV-P #5H 330' FNL & 2198' FWL Sec. 11, T26S-R32E Lea County, NM

СОРУ

To Steel Pits



3M choke manifold design

Exhibit A1



BTA OIL PRODUCERS, LLC 104 SOUTH PECOS STREET

MIDLAND, TEXAS 79701-5021 432-682-3753 FAX 432-683-0311



GULF COAST DISTRICT TOTAL PLAZA 1201 LOUISIANA STREET, STE. 570 HOUSTON, TEXAS 77002 713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT 600 17TH STREET, STE. 2230 SOUTH DENVER, COLORADO 80202 303-534-4404 FAX 303-534-4661

December 12, 2014

Re: CONFIDENTIAL STATUS Mesa 8105 JV-P #4H, 5H, 6H, 7H, 8H Section 11, T26S-R32E Lea County, NM

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT 620 East Greene Street Carlsbad, NM 88220

Gentlemen:

BTA hereby requests CONFIDENTIAL STATUS for all drilling information, forms and logs for the maximum length of time possible under BLM guidelines.

Should further information be required, please advise.

Respectfully,

jayla McCommell

Kayla McConnell For BTA Oil Producers

CARLTON BEAL, JR. BARRY BEAL SPENCER BEAL KELLY BEAL BARRY BEAL, JR. STUART BEAL ROBERT DAVENPORT, JR.