N.M. Oil Cons. DIV-D.↓.. 2

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

UNITED STATES 1301 W. Grand Avenue Expires Ja
DEPARTMENT OF THE INTERIORITESIA, NM 88210 NMNMM-112273

APPLICATION FOR PERMIT TO DE	RILL OR REENTE	R		6. If Indian, Allottee o	r Tribe Name
la. Type of Work: DRILL REENTER	R ECRETARY'S	S POTA	ASH	7. If Unit or CA Agreer	ment, Name and No.
	_	_	_	8. Lease Name and Well	
	Single Zone	Mult	ipie Zone	Collinsoscopy Federa	al #1
2. Name of Operator				9. API Well No.	
Marbob Energy Corporation	21. Di 21. 6. 4. 4.			30-015-	
3a. Address	3b. Phone No. (include	area coae)		10. Field and Pool, or Ex	•
PO Box 227, Artesia, NM 88211-0227	505-748-3303			Burton Flat; Morrow,	
4. Location of Well (Report local SUBJECT TOCCENKE & APP	'roval ^{eq} by"sta	TE		11. Sec., T., R., M., or B	ik. and Survey of Area
At surface 1095' FSL & 430' FWL, Lot 4				 Section 7, T20S, R30	F
At proposed prod. zone 1150 15 4 660 161 sup 5	W detal 1420	04 81		7, 1200, 100	_
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	13. State
				Eddy	NM
15. Distance from proposed*	16. No. of Acres in lea	ise	17. Spacing	Unit dedicated to this we	HECEIVED
location to nearest property or lease line, ft.					DEC 0
(Also to nearest drig. unit line, if any)	637.92		320		DEC 3 2004
18. Distance from proposed location* to nearest well, drilling, completed,	19. Proposed Depth		20. BLM/B	BIA Bond No. on file 🛛 😡	PP-AHTERIA
applied for, on this lease, ft.	12300'	,			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date	work will c	585716	23. Estimated duration	
3310' GR	11/11/04	WOIK WIII S	tait	21 days	
3310 GR	1			z r days	
	24. Attachments				
The following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.	1, shall be at	tached to this	form:	
1. Well plat certified by a registered surveyor.	4. Bone	to cover th	ne operations	unless covered by an ex	isting bond on file (see
2. A Drilling Plan.	Iter	n 20 above).	•		3
3. A Surface Use Plan (if the location is on National Forest System	Lanus, me i .	ator certific		rmation and/or plans as i	may be required by the
SUPO shall be filed with the appropriate Forest Service Office).		orized office		illiation and/or plans as	may be required by the
25. Signature	Name (Printed:1	'vned)			ate
/ Vanie Harter.	Melanie J. Pai	••		1	0/11/04
Title					
Land Department					
Approved by (Signature)	Name (Printed 1	yped)			ate
131 William Se Condit		1/1//	in 5.	Condit	NOV 2 9 2004
FOR STATE DIRECTOR	Office	NM		OFFICE	
Application approval does not warrant or certify that the applicant holds l	egal or equitable title to	hose rights i	n the subject	lease which would entitle t	he applicant to conduct

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Conditions of approval, if any, are attached

operations thereon.

Caption Controlled Water B

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVAL FOR 1 YEAR

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

March 12, 2004

Pit or Below-Grade Tank Registration or Closure Is pit or below-grade tank covered by a "general plan"? Yes No No

	Type of action	n: Registration of a pit	or below-grade tank 🛛 Closure of a pit or b	elow-grade tank	
Operator: Marbob End	ergy Corporation		Telephone: 505-748-3303	e-mail address: land	I2@marbob.com
Address: PO Box 227	, Artesia, NM 882	211-0227			
Facility or well name: Col	llinsoscopy Feder	ral No. 1 API#: _	U/L or 0	Qtr/Qtr SWSW Sec	7 T 20S R 30E
County: Eddy	Latitude	Longitude	NAD: 1927 🗌 1983 🗍 S	surface Owner Federal 🛛 S	State Private Indian
Pit			Below-grade tank		
Type: Drilling \ Producti	ion 🔲 Disposal 🔲		Volume:bbl Type of fluid:		
Workover 🗌 Emer	gency 🗌		Construction material:		RECEIVED
Lined 🛛 Unlined 🗌			Double-walled, with leak detection? Yes	☐ If not, explain why not	OCT 2 2 7004
Liner type: Synthetic 🖾 T	hickness 12 mil Clay	☐ Volume			OOU:ARTERIA
bbl					
Double to assured system (year	tical distance from bettom	6-i44	Less than 50 feet	(20 points)	
Depth to ground water (vert water elevation of ground w		n of pit to seasonal nigh	50 feet or more, but less than 100 feet	(10 points)	
water elevation of ground w	vaici.)		100 feet or more	(0 points)	0 points
Wellhead protection area: ((Less than 200 feet from a	a private domestic	Yes	(20 points)	
water source, or less than 1		-	No	(0 points)	0 points
Distance to surface motors	(horizontal distance to all	system de player	Less than 200 feet	(20 points)	
Distance to surface water: irrigation canals, ditches, ar			200 feet or more, but less than 1000 feet	(10 points)	
irigation canais, unches, at	to perential and epitemen	ai watercourses.	1000 feet or more	(0 points)	0 points
			Ranking Score (Total Points)		0 points
If this is a pit closure: (1) attach a diagram of the 1	facility showing the pit's	s relationship to other equipment and tanks.	(2) Indicate disposal location	n:
onsite offsite If of	fsite, name of facility	·	(3) Attach a general description of rem	edial action taken including	g remediation start date and en
			ow ground surface ft. and atta		
diagram of sample location	ns and excavations.				· _
I hereby certify that the info	ormation above is true and	complete to the best of	my knowledge and belief. I further certify	that the above-described	pit or/below-grade tank has
Date: October 22, 2004	r closed according to NA	MOCD guidelines ∐, a	a general permit 🔼, or an (attached) alteri	// //	V 7 \ _
Printed Name/Title: Me	elanie J. Parker / ˈ	Land Departmen	signature	Velania	And I
Your certification and NMC	OCD approval of this appl	lication/closure does not	relieve the operator of liability should the co operator of its responsibility for compliance	intents of the pit or tank cor	itaminate ground water or
regulations.	. A A A	. Moi does it reneve the	operator or its responsibility for compliance	OC	e, or local laws and/or
Approva OCT 26	2004//1/ 12	DU			
Date:	The state of the s			<i>,</i> \	
Printed Name/Title		,	Signature		

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT IV

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1220 S. ST. FRANCIS DR., SANTA FE, NM 8750	5		AMENDED REPORT	
API Number	Pool Code	Pool Name		
	73320	73320 Burton Flat; Morrow, East		
Property Code	Prop	Property Name		
	COLLINSOS	COLLINSOSCOPY FEDERAL		
OGRID No.	Oper	Operator Name		
14049	MARBOB ENER	3310'		

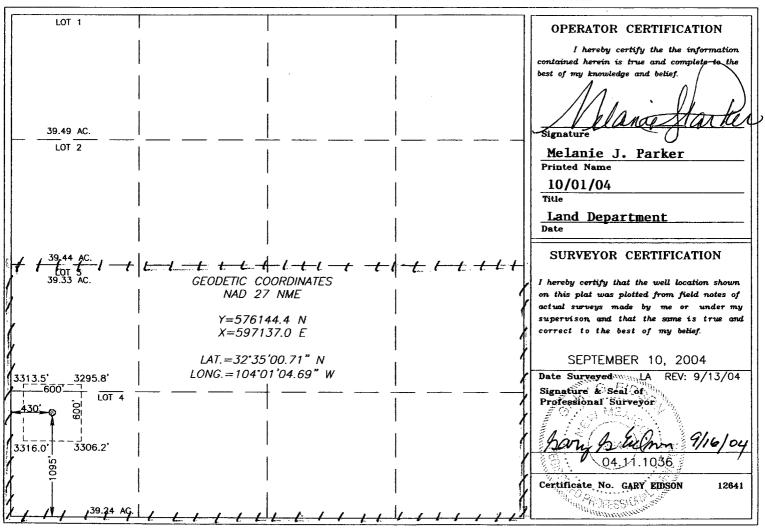
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	7	20-S	30-E		1095	SOUTH	430	WEST	EDDY

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
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Ore	der No.	l		<u>I.</u>	

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



MARBOB ENERGY CORPORATION DRILLING AND OPERATIONS PROGRAM

Collinsoscopy Federal #1 1095' FSL & 430' FWL, Lot 4 Section 7, T20S, R30E Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Marbob Energy Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

- 1. The geological surface formation is Permian.
- 2. The estimated tops of geologic markers are as follows:

Top of Salt	400'	Bone Spring	6300′
Base of Salt	1600′	Wolfcamp	9700'
Yates	1825′	Strawn	10750′
Capitan	227,5′	Atoka	11100′
Delaware	3400′	Morrow	11800′
		TD	12300′

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Capitan	2275'	Water
Delaware	3400'	Oil
Wolfcamp	9700'	
Strawn	10750'	Gas
Atoka	11100′	
Morrow	11800′	

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 20" casing at 300' and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them by inserting a float shoe joint into the 5 1/2" production casing which will be run at TD to sufficiently cover all known oil and gas horizons above 200'.

4. Proposed Casing Program:

Hole Size	Interval	OD Casing	Wt	Grade
26"	0 – 300′	20"	94#	H-40
17 1/2"	0 – 1825′	13 3/8"	54.5	J -5 5
12 1/4"	0 – 3400′	8 5/8"	32#	J-55 Buttress
7 7/8"	0 - 13200'	5 1/2"	17#	S-95/P110

Proposed Cement Program:

20" Surface Casing:

Cement w/ 675 sx Premium Plus. Circulate to surface.

13 3/8" Intermediate Casing: Cement w/ 1100 sx Class C. Circulate to surface.

8 5/8" Intermediate Casing: Cement w/ 1000 sx Class C. Attempt to tie in to 13 3/8"

5 1/2" Production Casing:

Cement w/ 1050 sx Class C. TOC to be 200' above all oil

and gas bearing zones.

5. Pressure Control Equipment: See Exhibit 1. Marbob proposes to nipple up on the 20" and 13 3/8" casing with a 2M system, testing it to 1000# with rig pumps, then nipple up on the 8 5/8" casing with a 5M system, tested to 5000# before drilling out.

6. Mud Program: The applicable depths and properties of this system are as follows:

Depth	Туре	Weight (ppg)	Viscosity (sec)	Waterloss (cc)
0 – 300′	Fresh Wtr -	8.4 – 9.2	32 – 36	N.C.
300 – 1825′	Cut Brine	9.9 - 10.2	28 - 32	N.C.
1825 – 3400'	Fresh Wtr	8.4 - 8.6	28 - 32	N.C.
3400 - 12300'	Cut Brine	8.7 - 9.5	28 – 34	N.C.

- 7. Auxiliary Equipment: Kelly Cock; Sub with full opening valve on floor; and drill pipe connections.
- 8. Testing, Logging and Coring Program:

No drillstem tests are anticipated.

The electric logging program will consist of Dual Laterolog Micro SFL, Spectral Density Dual Spaced Neutron Csng Log, and Depth Control Log.

No conventional coring is anticipated.

- 9. No abnormal pressures or temperatures are anticipated.
- 10. Anticipated starting date: As soon as possible after approval.

MARBOB ENERGY CORPORATION MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Collinsoscopy Federal #1 1095' FSL & 430' FWL, Lot 4 Section 7, T20S, R30E Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit 2 is a portion of a topo map showing the well and roads in the vicinity of the proposed location. The proposed wellsite and the access route to the location are indicated in red on Exhibit 2.

DIRECTIONS:

From the intersection of Eddy County Road 238 (Burton Flat) and Eddy County Road 239 (Buckeye), to northeast on Buckeye for 1.2 miles to a good caliche road on left. Turn left and go north 1.6 miles to the Marbob Coinflip State #1 well location. From the northwest corner of pad follow road survey 2983' to location.

2. PLANNED ACCESS ROAD:

A new access road of 2983' will be necessary. The new road will be constructed as follows:

- A. The maximum width of the running surface will be 10'. The road will be crowned and ditched and constructed of 6" of rolled and compacted caliche. Ditches will be at 3:1 slope and 4 feet wide. Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns. BLM may specify any additions or changes during the onsite inspection.
- B. The average grade will be less than 1%.
- C. No turnouts are planned.
- D. No culverts, cattleguard, gates, low-water crossings, or fence cuts are necessary.
- E. Surfacing material will consist of native caliche. Caliche will be obtained from the nearest BLM-approved caliche pit. Any additional materials that are required will be purchased from the dirt contractor.

F. The proposed access road as shown in Exhibit 2 has been centerline flagged by John West Engineering.

3. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Marbob Energy Corporation proposes a collection facility, if well is productive, to be located on Collinsoscopy Federal #1 well pad.

4. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the lined pit.
- B. Drilling fluids will be allowed to evaporate in the lined pit until the pit is dry.
- C. Water produced during completion may be disposed into the lined reserve pit.
- D. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and/or completion operations. All waste material will be contained to prevent scattering by the wind.

5. WELLSITE LAYOUT:

- A. Exhibit 3 shows the relative location and dimensions of the well pad, the pit.
- B. The reserve pit will be lined with high quality plastic sheeting.

6. PLANS FOR RESTORATION:

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Reserve pit will be fenced until they have dried and been leveled.
- C. All rehabitation and/or vegetation requirements of the BLM will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

7. SURFACE OWNERSHIP:

The well site and lease are located on Federal surface

- A. The area around the well site is grassland and the top soil is sandy. The vegetation is native scrub grasses with abundant oakbrush, sagebrush, yucca, and prickly pear.
- B. A Cultural Resources Examination has been requested and will be forwarded to your office in the near future.

8. OTHER INFORMATION:

A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.

9. OPERATOR'S REPRESENTATIVE:

A. Through A.P.D. Approval:

Dean Chumbley, Landman Marbob Energy Corporation P. O. Box 227 Artesia, NM 88211-0227 Phone (505)748-3303 Cell (505)748-5988 B. Through Drilling Operations

Sheryl Baker, Drilling Supervisor Marbob Energy Corporation P. O. Box 227 Artesia, NM 88211-0227 Phone (505)748-3303 Cell (505)748-5489

10. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Marbob Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

Melanie J. Parker-Land Department

MARBOB ENERGY CORPORATION

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

I. 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 (H_2S) .
- 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 H_2S 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.

II. 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.

A. Well Control Equipment:

Flare line.

Choke manifold.

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.

A mud-gas separator will be utilized.

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 and 2-way radio.

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 MARBOB FOREMAN AT MAIN OFFICE

MARBOB ENERGY CORPORATION

1-505-748-3303

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Date:

September 15, 2004

Lease #:

NM-112273

Collinsoscopy Federal

Legal Description: All of Sec. 7-T20S-R30E

Eddy County, New Mexico

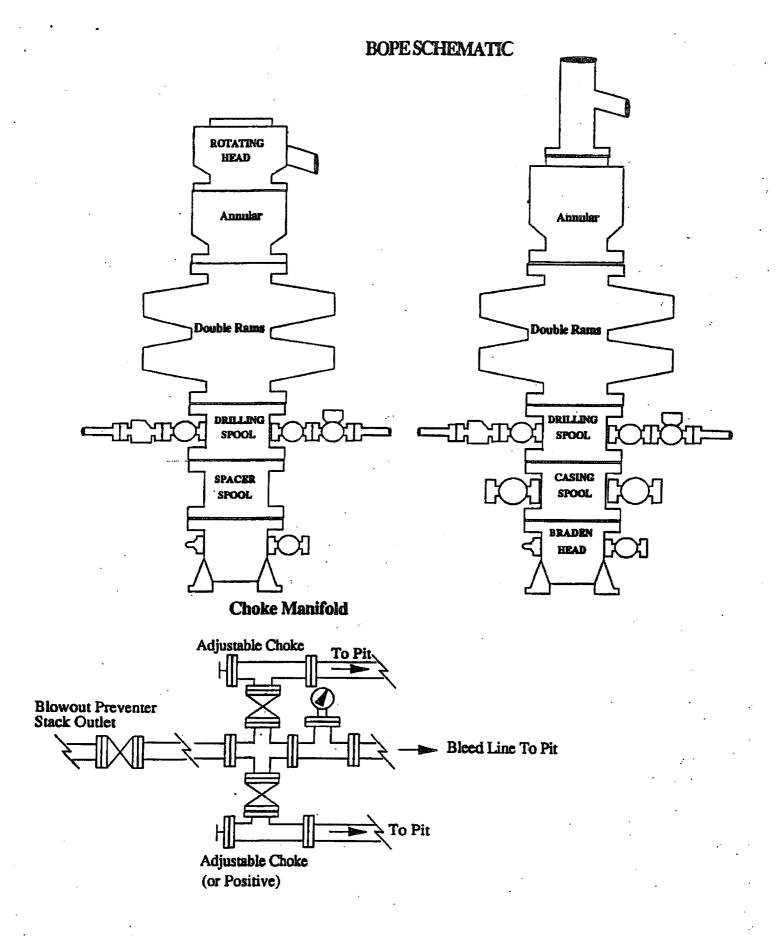
Formation(s): Morrow

Bond Coverage: Statewide

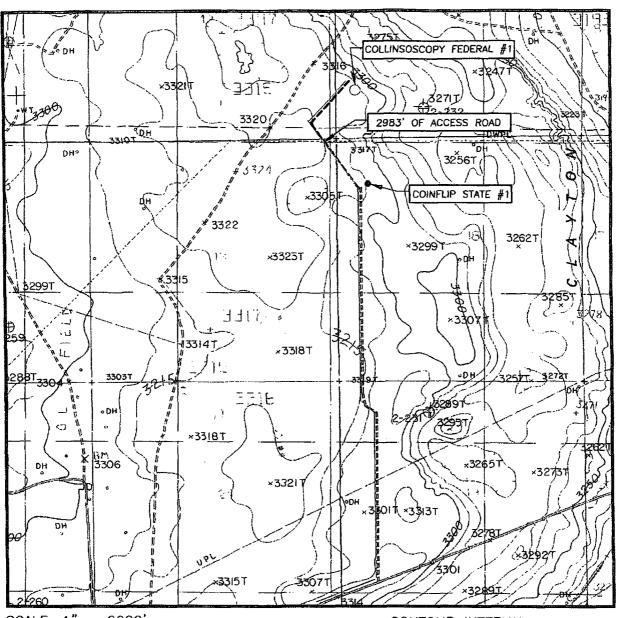
BLM Bond File #: 585716

Melanie J. Parker 7

Land Department



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

ILLINOIS CAMP SE, N.M.

CONTOUR INTERVAL: ILLINOIS CAMP SE, N.M. - 10'

SEC. 7 TWP. 20—S RGE. 30—E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1095' FSL & 430' FWL

ELEVATION 3310'

MARBOB ENERGY

OPERATOR CORPORATION

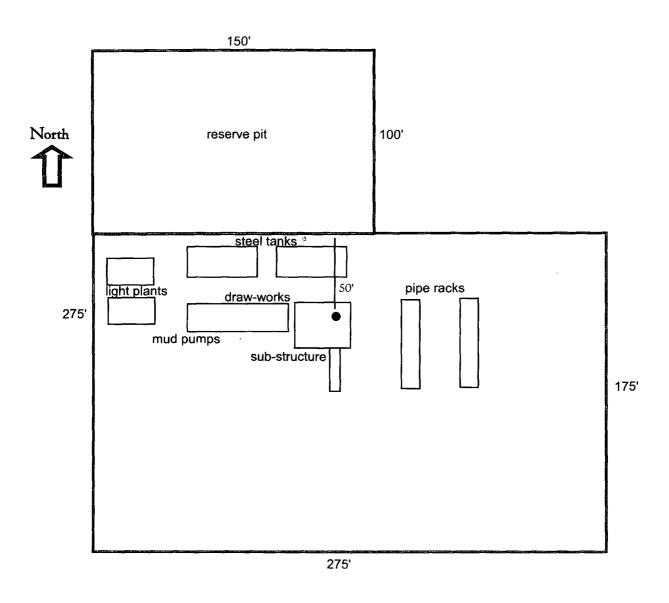
LEASE COLLINSOSCOPY FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 80240
(505) 393-3117

Road

Exhibit Two



Collinsoscopy Federal #1 1095' FSL & 430' FWL Section 7, T20S, R30E Eddy County, New Mexico

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Well Name & No.

MARBOB ENERGY CORPORATION 1 - COLLINSOSCOPY FEDERAL

Location:

1095' FSL & 430' FWL - SEC 7 - T20S - R30E - EDDY COUNTY SHL

Lease:

NM-112273

Location: 1650'/S.&. 660'/W - SEC7 - T20S-R30E - Eddy County BHL

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 234-5909 or (505) 361-2822 (After hours) - for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

A. Spudding

- B. Cementing casing: 20 inch 13-3/8 inch 8-5/8 inch 5-1/2 inch
- C. BOP tests
- 2 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.
- 3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.
- 5. Gamma-Ray/Neutron logs shall be run from the base of the Salado Formation to the surface; cable speed not to exceed 30 feet per minute.

II. CASING:

- 1. The 20 inch surface casing shall be set at 300 feet, below usable water and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the 13-3/8 inch salt protection casing is circulate cement to the surface.
- 3. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is circulate cement to the surface.
- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is cement shall extend upward a minimum of 500 feet above the uppermost hydrocarbon bearing interval.

III. PRESSURE CONTROL:

- 1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 13-3/8 inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling the surface and intermediate casing shall be <u>2000</u> psi. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling below the <u>8-5/8</u> inch casing shall be <u>5000</u> psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.
- Variance approved to nipple up on the 20" and 13-3/8" casing with a 2M system, testing it to 1000# with the rig pumps is approved.
- The tests shall be done by an independent service company.
- The results of the test shall be reported to the appropriate BLM office.
- Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- Testing must be done in a safe workman-like manner. Hard line connections shall be required.
- BOPE must be tested prior to drilling into the Wolfcamp Formation by an independent service company.

IV. 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. Monitoring equipment shall consist of the following:

- 1. Recording pit level indicator to indicate volume gains and losses.
- 2. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
- 3. Flow-sensor on the flow line to warn of abnormal mud returns from the well.

Form 3160-5 (September 2001)

UNITED STATES UNITED STATES DEPARTMENT OF THE INTERIOR OF VV. GRAND AVERUA BUREAU OF LAND MANAGEMENT AMERICAN NAME AND SECTION LEASE

FORM APPROVED

OMB No. 1004-0135 Expires: January 31, 2004

	SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.
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	5. Lease Serial No.	
3	5. Lease Serial No. NMNM-112273	
	6. If Indian, Allottee or Tribe Name	

4	•	, , ,			~		
SUBMIT IN TR	7. If Unit	7. If Unit or CA/Agreement, Name and/or No.					
1. Type of Well ☐ Oil Well ☐ Gas Well ☐	Other			8. Well N	Name and No.		
2. Name of Operator				Collinso	scopy Federal #1		
Marbob Energy Corporation				9. API W	/ell No.		
3a. Address 3b. Phone No. (include area code)							
PO Box 227, Artesia, NM 88211-0227 505-748-3303 505-746-2523 fax				10. Field	10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec.	, T, R., M., or Survey Descri	ption)		Burton I	Burton Flat; Morrow, East		
				11. Count	11. County or Parish, State		
1095' FSL & 430' FWL, Lot 4, S							
1650' FSL & 660' FWL, Lot 3, S	section 7, T20S, R30E at B	Bottom		Eddy Co	Eddy County, New Mexico		
12. CHECK AP	PROPRIATE BOX(ES) TO INDICATE NATUR	E OF NOTICE, I	REPORT, C	OR OTHER DATA		
TYPE OF SUBMISSION		TYI	PE OF ACTION				
_	Acidize	Deepen Deepen	Production (Sta	rt/Resume)	☐ Water Shut-Off		
Notice of Intent	Alter Casing	Fracture Treat	Reclamation		Well Integrity		
Subsequent Report	Casing Repair	New Construction	Recomplete		Other Change bottom hole		

Plug and Abandon

Plug Back

Temporarily Abandon

Water Disposal

Marbob Energy Corporation wishes to amend the APD submitted electronically on October 11, 2004 as follows:

Bottom hole location: 1650' FSL & 660' FWL, Lot 3, Section 7, T20S, R30E

A directional drilling plan and revised C-102 (location and acreage dedication plat) are attached.

Change Plans

Convert to Injection

Change in proposed mud and casing program: 7 7/8" hole drilled w/ cut brine water from 3400'-12366' (Mb)

5 1/2" 17# S-95/P110 casing set at TD w/ 1050 sx Class C cmt. TOC to be 200' above all oil and gas bearing zones.

SUBJECT TO LIKE APPROVAL BY NMOCD

Final Abandonment Notice



location

RECEIVED

		NOV_0_9_7004					
14. I hereby certify that the foregoing is true and correct Name (PrintedlTyped)		OSPIARTES					
Melanie J. Parker	Title Land Department						
Signature Valanie tarker	Date November 2, 2004						
THIS SPACE FOR FEDERAL	OR STATE OFFICE USE						
Approved by (Signature)	Name (Printed Typed)	Title					
Conditions of approval, if any, are attached. Approval of this notice does not warrancertify that the applicant holds legal or equitable title to those rights in the subject I which would entitle the applicant to conduct operations thereon.	office ease	Date					

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

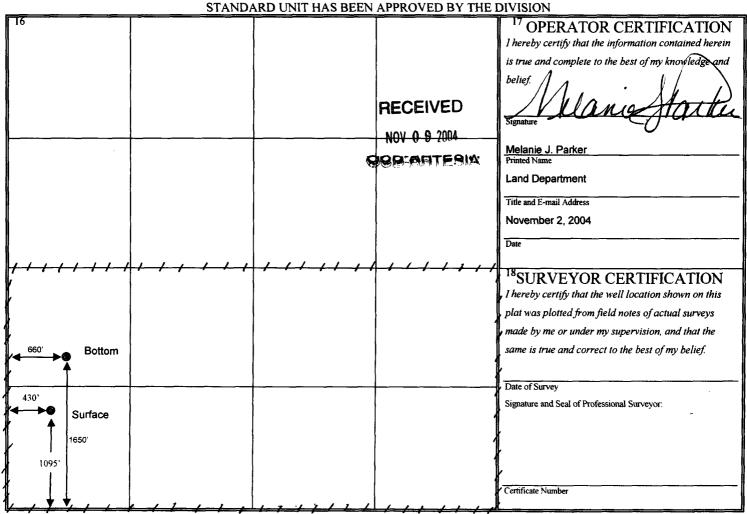
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code 73320 Burton Flat; Morrow, East (Gas) **Property Code** Property Name Well Number Collinsoscopy Federal OGRID No. Operator Name Elevation 14049 Marbob Energy Corporation 3310 ¹⁰ Surface Location North/South line UL or lot no. Section Township Range Lot Idn Feet from the Feet from the East/West line County 7 **20S** 30E 1095 South 430 4 West Eddy Bottom Hole Location If Different From Surface UL or lot no. Lot Idn Feet from the North/South line Section Township Range Feet from the East/West line County **20S** 30E 4 1650 South 660 West Eddy Dedicated Acres Joint or Infill Consolidation Code Order No. 318.68

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-





Marbob Energy Company:

Collinsoscopy Federal #1 Section 7, T-20S, R-30E

Field: Site:

Well:

Collinsoscopy Federal #1

Orginal Hole Wellpath:

Date: 11/1/2004

Time: 14:12:51

Co-ordinate(NE) Reference: Well: Collinsoscopy Federal #1

Page:

1

Vertical (TVD) Reference: SITE 0.0

Section (VS) Reference:

Well (0.00N,0.00E,22.51Azi)

Plan:

Plan #2 110104

Field:

Collinsoscopy Federal #1

Map System: US State Plane Coordinate System 1927

Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level

Map Zone:

New Mexico, Eastern Zone

Coordinate System:

Geomagnetic Model:

Well Centre

igrf2000

Site:

Section 7, T-20S, R-30E

Eddy County, NM

Site Position:

Ground Level:

Lease Line From: Position Uncertainty:

0.00 ft

Northing: Easting:

Latitude:

Longitude:

North Reference: **Grid Convergence:** True 0.00 deg

0.00 ft

Mean Sea Level

Well:

Collinsoscopy Federal #1

+N/-S +E/-W 0.00 ft Northing: Easting:

0.00 ft

Latitude:

30 59 24.512 N

Well Position: **Position Uncertainty:**

0.00 ft 0.00 ft

0.00 ft

0.00 ft

Longitude:

Drilled From:

Slot Name:

105 55 44.137 W

Surface

Wellpath: Orginal Hole

Current Datum: Magnetic Data: Field Strength:

Vertical Section:

SITE

9/14/2004

Depth From (TVD)

0.00 ft Height

Tie-on Depth:

Above System Datum: Declination:

0.00 deg Mag Dip Angle: 0.00 deg Direction

+E/-W

ft ft deg 0.00 0.00 22.51 0.00

+N/-S

Plan:

Principal:

Plan #2 110104

Date Composed: Version:

11/1/2004

Tied-to:

From Surface

Plan Section Information

No

MD ft	Inci deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	22.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6500.00	0.00	22.51	6500.00	0.00	0.00	0.00	0.00	0.00	22.51	
7463.25	14.45	22.51	7453.07	111.61	46.25	1.50	1.50	0.00	22.51	
8902.63	14.45	22.51	8846.93	443.39	183.75	0.00	0.00	0.00	0.00	
9865.88	0.00	22.51	9800.00	555.00	230.00	1.50	-1.50	0.00	180.00	Target @ 9800' TVD
12365.88	0.00	22.51	12300.00	555.00	230.00	0.00	0.00	0.00	22.51	• •

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100f	Build t deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	22.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	22.51	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	22.51	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	22.51	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	22.51	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	22.51	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	22.51	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	22.51	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	22.51	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	22.51	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	22.51	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	22.51	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	22.51	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	22.51	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	22.51	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	



Company: Marbob Energy
Field: Collinsoscopy Federal #1
Site: Section 7, T-20S, R-30E

Well:

Collinsoscopy Federal #1

Wellpath: Orginal Hole

Date: 11/1/2004 Time: 14:12:51
Co-ordinate(NE) Reference: Well: Collinsoscopy Federal #1
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,22.51Azi)
Plan: Plan #2 110104 Page:

2

MD ft	Inci deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100f	Build t deg/100	Turn ft deg/100ft	Tool/Comment
500.00	0.00	22.51	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	22.51	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	22.51	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	22.51	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	22.51	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
,00.00	0.00		1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
000.00	0.00	22.51	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	22.51	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	22.51	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	22.51	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	22.51	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	22.51	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	22.51	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	22.51	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	22.51	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	22.51	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
200	0.00	00.54	2000.00	0.00	0.00	2.02	2.22		0.00	
000.00	0.00	22.51	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	22.51	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	22.51	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	22.51	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	22.51	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	22.51	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	22.51	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	22.51	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	22.51	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	22.51	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
00.00	0.00	22.51	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	22.51	4100.00		0.00	0.00 0.00	0.00	0.00	0.00	
				0.00			0.00	0.00	0.00	
200.00	0.00	22.51	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00 400.00	0.00 0.00	22.51 22.51	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	22.51	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	22.51	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	22.51	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	22.51	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	22.51	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	22.51	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
00.00	0.00	22.51	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	22.51	5100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	22.51	5200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	22.51	5300.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	22.51	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	22.51	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	22.51	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	
		22.51	5600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	22.51	5700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	22.51	5800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	22.51	5900.00	0.00	0.00	0.00	0.00	0.00	0.00	
00.00	0.00	22.51	6000.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	22.51	6100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	22.51	6200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	22.51	6300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	22.51	6400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	22.51	6500.00	0.00	0.00	0.00	0.00	0.00	0.00	
				0.00		0.00	0.00	0.00	0.00	
600.00	1.50	22.51	6599.99	1.21	0.50	1.31	1.50	1.50	0.00	
700.00 300.00	3.00	22.51	6699.91	4.84	2.00	5.23	1.50	1.50	0.00	
anti titi	4.50	22.51	6799.69	10.88	4.51	11.77	1.50	1.50	0.00	



Field:

Site:

Company: Marbob Energy

Collinsoscopy Federal #1 Section 7, T-20S, R-30E

Well: Collinsoscopy Federal #1 Wellpath: Orginal Hole

Page:

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Date: 11/1/2004 Time: 14:12:51
Co-ordinate(NE) Reference: Well: Collinsoscopy Federal #1
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,22.51Azi)
Plan: Plan #2 110104

MD	Incl		TVD	IN/ C	_TE/ 1017	V/C	DI 6	D	T	T1/C
ft	deg	Azim deg	ft	+N/-S ft	+E/-W	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Commen
900.00	6.00	22.51	6899.27	19.33	8.01	20.92	1.50	1.50	0.00	
000.00	7.50	22.51	6998.57	30.19	12.51	32.68	1.50	1.50	0.00	
100.00	9.00	22.51	7097.54	43.44	18.00	47.03	1.50	1.50	0.00	
200.00	10.50	22.51	7196.09	59.09	24.49	63.96	1.50	1.50	0.00	
300.00	12.00	22.51	7294.16	77.11	31.96	83.47	1.50	1.50	0.00	
400.00	13.50	22.51	7391.70	97.50	40.40	105.54	1.50	1.50	0.00	
463.25	14.45	22.51	7453.07	111.61	46.25	120.81	1.50	1.50	0.00	
500.00	14.45	22.51	7488.66	120.08	49.76	129.98	0.00	0.00	0.00	
600.00	14.45	22.51	7585.50	143.13	59.32	154.93	0.00	0.00	0.00	
700.00	14.45	22.51	7682.33	166.18	68.87	179.89	0.00	0.00	0.00	
800.00	14.45	22.51	7779.17	189.23	78.42	204.84	0.00	0.00	0.00	
900.00	14.45	22.51	7876.01	212.28	87.97	229.79	0.00	0.00	0.00	
00.00	14.45	22.51	7972.85	235.33	97.52	254.74	0.00	0.00	0.00	
100.00	14.45	22.51	8069.68	258.38	107.08	279.69	0.00	0.00	0.00	
200.00	14.45	22.51	8166.52	281.43	116.63	304.64	0.00	0.00	0.00	
300.00	14.45	22.51	8263.36	304.48	126.18	329.59	0.00	0.00	0.00	
400.00	14.45	22.51	8360.19	327.53	135.73	354.54	0.00	0.00	0.00	
500.00	14.45	22.51	8457.03	350.58	145.29	379.50	0.00	0.00	0.00	
600.00	14.45	22.51	8553.87	373.63	154.84	404.45	0.00	0.00	0.00	
700.00	14.45	22.51	8650.71	396.68	164.39	429.40	0.00	0.00	0.00	
800.00	14.45	22.51	8747.54	419.73	173.94	454.35	0.00	0.00	0.00	
902.63	14.45	22.51	8846.93	443.39	183.75	479.96	0.00	0.00	0.00	
00.00	12.99	22.51	8941.52	464.72	192.59	503.05	1.50	-1.50	0.00	
100.00	11.49	22.51	9039.24	484.30	200.70	524.25	1.50	-1.50	0.00	
200.00	9.99	22.51	9137.49	501.52	207.84	542.88	1.50	-1.50	0.00	
300.00	8.49	22.51	9236.19	516.35	213.98	558.93	1.50	-1.50	0.00	
400.00	6.99	22.51	9335.27	528.79	219.14	572.39	1.50	-1.50	0.00	
500.00	5.49	22.51	9434.68	538.82	223.30	583.26	1.50	-1.50	0.00	
600.00	3.99	22.51	9534.33	546.45	226.46	591.52	1.50	-1.50	0.00	
700.00	2.49	22.51	9634.17	551.67	228.62	597.17	1.50	-1.50	0.00	
800.00	0.99	22.51	9734.12	554.48	229.78	600.20	1.50	-1.50	0.00	
865.88	0.00	22.51	9800.00	555.00	230.00	600.77	1.50	-1.50	0.00	
900.00	0.00	22.51	9834.12	555.00	230.00	600.77	0.00	0.00	0.00	
000.00	0.00	22.51	9934.12	555.00	230.00	600.77	0.00	0.00	0.00	
100.00	0.00	22.51	10034.12	555.00	230.00	600.77	0.00	0.00	0.00	
200.00	0.00	22.51	10134.12	555.00	230.00	600.77	0.00	0.00	0.00	
300.00	0.00	22.51	10234.12	555.00	230.00	600.77	0.00	0.00	0.00	
400.00	0.00	22.51	10334.12	555.00	230.00	600.77	0.00	0.00	0.00	
500.00	0.00	22.51	10434.12	555.00	230.00	600.77	0.00	0.00	0.00	
00.00	0.00	22.51	10534.12	555.00	230.00	600.77	0.00	0.00	0.00	
700.00	0.00	22.51	10634.12	555.00	230.00	600.77	0.00	0.00	0.00	
300.00	0.00	22.51	10734.12	555.00	230.00	600.77	0.00	0.00	0.00	
900.00	0.00	22.51	10834.12	555.00	230.00	600.77	0.00	0.00	0.00	
00.00	0.00	22.51	10934.12	555.00	230.00	600.77	0.00	0.00	0.00	
100.00	0.00	22.51	11034.12	555.00	230.00	600.77	0.00	0.00	0.00	
200.00	0.00	22.51	11134.12	555.00	230.00	600.77	0.00	0.00	0.00	
300.00	0.00	22.51	11234.12	555.00	230.00	600.77	0.00	0.00	0.00	
100.00	0.00	22.51	11334.12	555.00	230.00	600.77	0.00	0.00	0.00	
500.00	0.00	22.51	11434.12	555.00	230.00	600.77	0.00	0.00	0.00	
00.00	0.00	22.51	11534.12	555.00	230.00	600.77	0.00	0.00	0.00	
700.00	0.00	22.51	11634.12	555.00	230.00	600.77	0.00	0.00	0.00	
300.00 300.00	0.00	22.51	11734.12	555.00	230.00	600.77	0.00	0.00	0.00	
	0.00	22.51	11834.12	555.00	230.00	600.77	0.00	0.00	0.00	



Company: Marbob Energy
Field: Collinsoscopy Federal #1
Site: Section 7, T-20S, R-30E
Well: Collinsoscopy Federal #1
Wellpath: Orginal Hole

Page:

Date: 11/1/2004 Time: 14:12:51
Co-ordinate(NE) Reference: Well: Collinsoscopy Federal #1
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,22.51Azi)
Plan: #2 110104

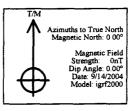
Survey

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100f	deg/100fl	deg/100ft	
12000.00 12100.00	0.00	22.51 22.51	11934.12 12034.12	555.00 555.00	230.00 230.00	600.77 600.77	0.00	0.00	0.00 0.00	
12200.00	0.00	22.51	12134.12	555.00	230.00	600.77	0.00	0.00	0.00	
12300.00	0.00	22.51	12234.12	555.00	230.00	600.77	0.00	0.00	0.00	
12365.88	0.00	22.51	12300.00	555.00	230.00	600.77	0.00	0.00	0.00	

Marbob Energy Collinsoscopy Federal #1 Eddy County, New Mexico Plan #1 110104



	SECTION DETAILS											
Sec	MD	Inc	Azı	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target		
1	0.00	0.00	22.51	0.00	0.00	0.00	0.00	0.00	0.00			
2	6500.00	0.00	22.51	6500.00	0.00	0.00	0.00	22.51	0.00			
3	7463.25	14.45	22.51	7453.07	111.61	46.25	1.50	22.51	120.81			
4	8902.63	14.45	22.51	8846.93	443.39	183.75	0.00	0.00	479.96			
5	9865.88	0.00	22.51	9800.00	555.00	230.00	1.50	180.00	600.77	Target @ 9800' TVD		
6	12365.88	0.00	22.51	12300.00	555.00	230.00	0.00	22.51	600.77	• •		



SITE DETAILS
Section 7, T-20S, R-30E
Eddy County, NM
Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: 0.00

