

DISTRICT I
1625 N. FRENCH DR., BOBES, NM 86240

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

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

Form C-10
Revised JUNE 10, 200
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number (30-015-34631)	Pool Code 73960	Pool Name CARLSBAD; MORROW, SOUTH (PRO GAS)
Property Code	Property Name WHISKEY GIRL FEE	Well Number 1
GRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3176'

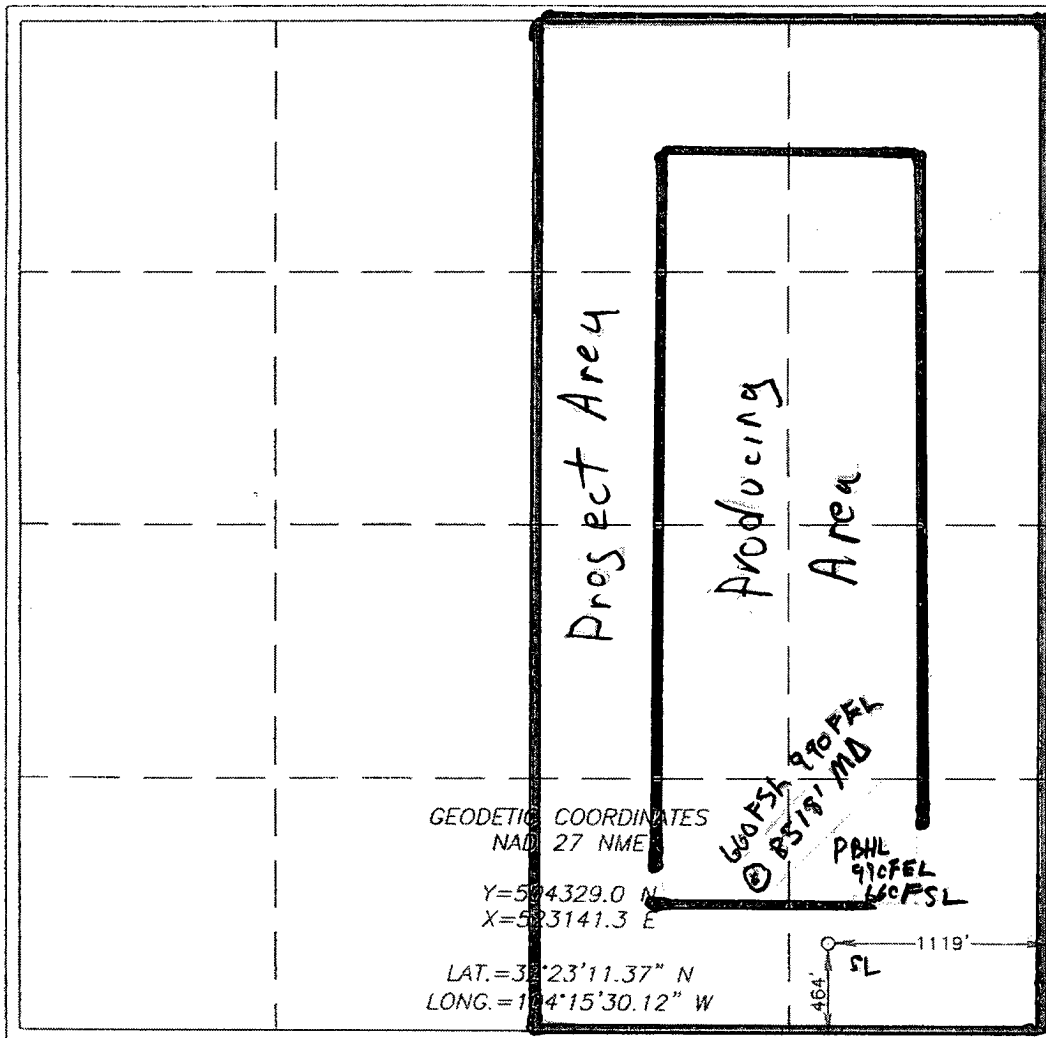
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	22-S	26-E		464	SOUTH	1119	EAST	EDDY

Bottom Hole Location If Different From Surface

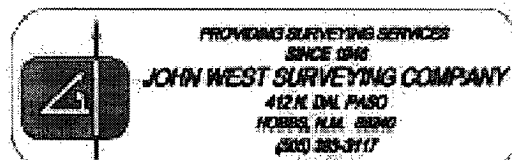
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	22S	26E		660	S	990	E	EDDY
Dedicated Acres 320.00	Joint or Infill	Consolidation Code	Order No.						

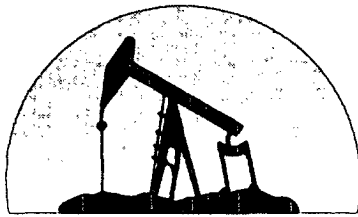
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

 Producing Area Prospect Area 464' 1119' GEODETIC COORDINATES NAD 27 NME Y=594329.0 N X=523141.3 E LAT.=32°23'11.37" N LONG.=104°15'30.12" W 660' x 1119' PROPSL PBHL 910FEL 660' x 1119'	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Nancy Bratcher</i> Signature Nancy T. Bratcher Printed Name Land Department Title December 29, 2005 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 21, 2005 Date Surveyed LA Signature & Seal of Professional Surveyor <i>Ronald E. Edson</i> 05.11.1637 Certificate No. GARY EIDSON 12641
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CONTOUR INTERVAL:
CARLSBAD WEST, N.M. - 20'

U.S.G.S. TOPOGRAPHIC MAP
CARLSBAD WEST, N.M.





marbob
energy corporation

January 13, 2006

RECEIVED

JAN 18 2006

UUD-ARTESIA

Oil Conservation Division
1301 West Grand Ave.
Artesia, NM 88210

Attention: Mr. Bryan Arrant

RE: Whiskey Girl Fee #1
464' FSL & 1119' FEL
Section 14, T22S, R26E
Eddy County, New Mexico

Dear Bryan:

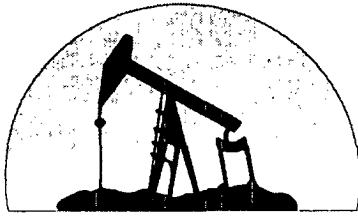
Enclosed per your request is a 'full blown' H2S contingency plan for the above referenced well; included is the list of names and addresses within a 3,000' foot radius. The nearest occupied dwelling is within approximately 495'. Also enclosed is a letter of statement on how Marbob Energy Corporation plans to test the blow out equipment on a daily basis.

If you need anything else or have any questions please let me know. Thank you.

Sincerely,

Nancy Bratcher

Nancy Bratcher
Land Department



marbob
energy corporation

January 13, 2006

Oil Conservation Division
1301 West Grand Ave.
Artesia, NM 88210

Attention: Mr. Bryan Arrant

Re: BOP Testing
Whiskey Girl Fee #1
464' FSL & 1119' FEL
Section 14, T22S, R26E
Eddy County, New Mexico

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JAN 18 2006

ARTESIA

Dear Bryan:

Marbob Energy's plans the following BOP testing procedures: We will test the BOP with an independent tester when nipped up on the 9 5/8" casing. Then daily we will function test BOP's by exercising pipe rams and we will test blind rams on trips. We will record the tests on daily IADC sheets.

If you have questions or need further information, please call.

Sincerely,

Sheryl Baker
Drilling Superintendent

SB/nb

MARBOB ENERGY CORPORATION
HYDROGEN SULFIDE (H₂S) CONTINGENCY PLAN
FOR DRILLING/COMPLETING/WORKOVER/FACILITY
WITH THE EXPECTATION OF H₂S IN EXCESS OF 100 PPM

**WHISKEY GIRL FEE #1
NEW WELL DRILL
464' FSL & 1119' FEL
SECTION 14-T22S-R26E
EDDY COUNTY, NEW MEXICO**

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JAN 18 2006
OGD-ARTESIA

**This well/facility is not expected to have H₂S, but
due to the sensitive location, the following is
submitted as requested.**

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GENERAL H₂S EMERGENCY ACTIONS

In the event of an H₂S emergency, the following plan will be initiated:

- 1) All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area".
- 2) If for any reason a person must enter the hazardous area, they must wear a SCBA (self contained breathing apparatus).
- 3) Always use the "buddy system".
- 4) Isolate the well/problem if possible.
- 5) Account for all personnel.
- 6) Display the proper colors warning all unsuspecting personnel of the danger at hand.
- 7) Contact the company representative as soon as possible if not at the location (use the enclosed call list as instructed).

At this point the company representative will evaluate the situation and coordinate the necessary duties to bring the situation under control, and if necessary, the notification of emergency response agencies and residents.

EMERGENCY PROCEDURES FOR AN UNCONTROLLABLE RELEASE OF H₂S

- 1) All personnel will don the self contained breathing apparatus.
- 2) Remove all personnel to the "safe area" (always use the "buddy system").
- 3) Contact company representative if not on location.
- 4) Set in motion the steps to protect and/or remove the general public to any upwind "safe area". Maintain strict security and safety procedures while dealing with the source.
- 5) No entry to any unauthorized personnel.
- 6) Notify the appropriate agencies:
City Police – City streets
State Police – State Roads
County Sheriff – County Roads
- 7) Call the NMOCD.

If at this time the supervising person determines the release of H₂S cannot be contained to the site location and the general public is in harms way, he will immediately notify public safety personnel.

EMERGENCY CALL LIST

	<u>Office</u>	<u>Mobile</u>	<u>Home</u>
Marbob Energy Corp.	505-748-3303		
Sheryl Baker	505-748-3303	505-748-5489	505-748-2396
Johnny C. Gray	505-748-3303	505-748-5983	505-885-3879
Raye Miller	505-748-3303	505-513-0176	505-746-9577
Dean Chumbley	505-748-3303	505-748-5988	505-748-2426

EMERGENCY RESPONSE NUMBERS **Eddy County, New Mexico**

State Police	505-748-9718
Eddy County Sheriff	505-746-2701
Emergency Medical Services (Ambulance)	911 or 505-746-2701
Eddy County Emergency Management (Harry Burgess)	505-887-9511
State Emergency Response Center (SERC)	505-476-9620
Carlsbad Police Department	505-885-2111
Carlsbad Fire Department	505-885-3125
New Mexico Oil Conservation Division	505-748-1283
Indian Fire & Safety	800-530-8693
Halliburton Services	800-844-8451

PROTECTION OF THE GENERAL PUBLIC/ROE

In the event greater than 100 ppg H₂S is present, the ROE (Radius of Exposure) calculations will be done to determine if the following is warranted:

- 100 ppm at any public area (any place not associated with this site)
- 500 ppm at any public road (any road which the general public may travel)
- 100 ppm radius of 3000' will be assumed if there is insufficient data to do the calculations, and there is a reasonable expectation that H₂S could be present in concentrations greater than 100 ppm in the gas mixture.

Calculation for the 100 ppm ROE:

$$X = [(1.589)(\text{concentration})(Q)] (0.6258)$$

(H₂S concentrations in decimal form)
10,000 ppm + = .01
1,000 ppm + = .001

Calculation for the 500 ppm ROE:

$$X = [(0.4546)(\text{concentration})(Q)] (0.6258)$$

100 ppm + = .0001
10 ppm + = .00001

EXAMPLE: If a well/facility has been determined to have 150 ppm H₂S in the gas mixture and the well/facility is producing at a gas rate of 200 MCFD then:

ROE for 100 ppm $X = [(1.589)(.00010)(200,000)] (0.6258)$
 X=8.8'

ROE for 500 ppm $X = [(0.4546)(.00050)(200,000)] (0.6258)$
 X=10.9'

These calculations will be forwarded to the appropriate NMOCD district office when applicable.

PUBLIC EVACUATION PLAN

When the supervisor has determined that the general public will be involved, the following plan will be implemented.

- 1) Notification of the emergency response agencies of the hazardous condition and implement evacuation procedures.
- 2) A trained person in H₂S safety shall monitor with detection equipment the H₂S concentration, wind and area of exposure. This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. All monitoring equipment shall be UL approved for use in Class I Groups A, B, C & D, Division I hazardous locations. All monitors will have a minimum capability of measuring H₂S, oxygen, and flammable values.
- 3) Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.
- 4) The company representative shall stay in communication with all agencies throughout the duration of the situation and inform such agencies when the situation has been contained and the effected area is safe to enter.

PROCEDURE FOR IGNITING AN UNCONTROLLABLE CONDITION

The decision to ignite a well should be a last resort and one, if not both, of the following pertain:

- 1) Human life and/or property are in danger.
- 2) There is no hope of bringing the situation under control with the prevailing conditions at the site.

INSTRUCTIONS FOR IGNITION

- 1) Two people are required. They must be equipped with positive pressure, self contained breathing apparatus and a "D"-ring style, full body, OSHA approved safety harness. Non-flammable rope will be attached.
- 2) One of the people will be a qualified safety person who will test the atmosphere for H₂S, oxygen and LFL. The other person will be the company representative.
- 3) Ignite up-wind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25 mm flare gun shall be used, with a +-500' range to ignite the gas.
- 4) Prior to ignition, make a final check for combustible gases.
- 5) Following ignition, continue with the emergency actions and procedures as before.

REQUIRED EMERGENCY EQUIPMENT

- 1) Breathing Apparatus
 - Rescue Packs (SCBA) – 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
 - Work/Escape Packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
 - Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.
- 2) Signage and Flagging
 - One Color Code Condition Sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - A Colored Condition flag will be on display reflecting the condition at the site at that time.
- 3) Briefing Area
 - Two perpendicular areas will be designated by signs and readily accessible.

- 4) Wind Socks
 - Two windsocks will be placed in strategic locations, visible from all angles.
- 5) H₂S Detectors and Alarm
 - The stationary detector with three (3) sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible alarm @ 15 ppm. Calibrate a minimum of every 30 days or as needed. The three sensors will be placed in the following places: (Gas sample tubes will be stored in the safety trailer)
 - Rig floor
 - Bell nipple
 - End of flow line or where well bore fluid is being discharged
- 6) Auxiliary Rescue Equipment
 - Stretcher
 - Two OSHA full body harnesses
 - 100' of 5/8" OSHA approved rope
 - One 20 lb. Class ABC fire extinguisher
 - Communication via cell phones on location and vehicles on location

USING SELF-CONTAINED BREATHING AIR EQUIPMENT (SCBA)

- 1) SCBA should be worn when any of the following are performed:
 - Working near the top or on top of a tank.
 - Disconnecting any line where H₂S can reasonably be expected.
 - Sampling air in the area to determine if toxic concentrations of H₂S exist.
 - Working in areas where over 10 ppm of H₂S has been detected.
 - At any time there is a doubt of the level of H₂S in the area.
- 2) All personnel shall be trained in the use of SCBA prior to working in a potentially hazardous location.
- 3) Facial hair and standard eyeglasses are not allowed with SCBA.
- 4) Contact lenses are never allowed with SCBA.
- 5) Air quality shall be continuously checked during the entire operation.
- 6) After each use, the SCBA unit shall be cleaned, disinfected, serviced and inspected.
- 7) All SCBA shall be inspected monthly.

RESCUE & FIRST AID FOR VICTIMS OF H₂S POISONING

- Do not panic.
- Remain calm & think.
- Get on the breathing apparatus.
- Remove the victim to the safe breathing area as quickly as possible, upwind and uphill from source or cross wind to achieve upwind.
- Notify emergency response personnel.
- Provide artificial respiration and/or CPR as necessary.
- Remove all contaminated clothing to avoid further exposure.
- A minimum of two (2) personnel on location shall be trained in CPR and First Aid.

H₂S TOXIC EFFECTS

H₂S is extremely toxic. The acceptable ceiling for eight hours of exposure is 10 ppm, which is .001% by volume. H₂S is approximately 20% heavier than air (Sp.Gr=1.19 / Air=1) and colorless. It forms an explosive mixture with air between 4.3% and 46.0%. By volume hydrogen sulfide (H₂S) is almost as toxic as hydrogen cyanide and is 5-6 times more toxic than carbon monoxide.

Various Gases

Common Name	Chemical Abbrev.	Sp. Gr.	Threshold Limits	Hazardous Limits	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.19	10 ppm 15 ppm	100 ppm/hr	600 ppm
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/hr	300 ppm
Sulfur Dioxide	SO ₂	2.21	2 ppm	N/A	1000 ppm
Chlorine	CL ₂	2.45	1 ppm	4 ppm/hr	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	CO ₂	1.52	5000 ppm	5%	10%
Methane	CH ₄	0.55	90,000	Combustible @ 5%	N/A

- 1 Threshold limit – Concentrations at which it is believed that all workers may be repeatedly exposed, day after day, without adverse effects
- 2 Hazardous limit – Concentration that may cause death
- 3 Lethal concentration – Concentration that will cause death with short-term exposure
- 4 Threshold limit – 10 ppm – NIOSH guide to chemical hazards
- 5 Short-term threshold limit

PHYSICAL EFFECTS OF HYDROGEN SULFIDE (H₂S)

CONCENTRATIONS		PHYSICAL EFFECTS
.001%	10 ppm	Obvious and unpleasant odor. Safe for 8 hr. exposure
.005%	50 ppm	Can cause some flu-like symptoms and can cause pneumonia
.01%	100 ppm	Kills the sense of smell in 3-15 minutes. May irritate eyes and throat
.02%	200 ppm	Kills the sense of smell rapidly. Severely irritates eyes and throat. Severe flu-like symptoms after 4 or more hrs. May cause lung damage and/or death.
.06%	600 ppm	Loss of consciousness quickly, death will result if not rescued promptly.

Whiskey Girl Fee #1
464' FSL & 1119' FEL
Section 14 - T22S - R26E
Eddy County, New Mexico

RECEIVED
JAN 18 2006
GODFREY

NAME	ADDRESS
Bush, J L & Chidester, Mary	2603 Standpipe Road, Carlsbad, NM 88220
Campbell, Catherine Y	2315 Standpipe Road, Carlsbad, NM 88220
Davis, Donald L	2719 Rochelle Point, Irving TX 75062 9241
Granger, Santiago E ET AL	2910 Standpipe Road, Carlsbad, NM 88220
Hernandez, Sabas & Delia	507 S. Olive, Carlsbad, NM 88220
Kennedy, Catherine M & Anne K	702 Medina Court, St Augustine, FL 32086
Klein, Edward P & Tillia A	2909 Dona Ana, Carlsbad, NM 88220
Mc Carty, Arvon II & Vicki, Cash, Jennifer	2314 Los Alamos St., Carlsbad, NM 88220
Medrano, Ernest E & Anna L	2701 Standpipe Road, Carlsbad, NM 88220
Millins, Bobby Rex & Glen Lee	2411 Standpipe Road, Carlsbad, NM 88220
Murillo, Rogelio & Gloria	2808 Dona Ma, Carlsbad, NM 88220
Olive, Mary Ann Whetham, Glenn W	2318 W Idaho, Carlsbad, NM 88220
Romero, Gabriel	2709 Martin Lane Carlsbad NM 88220 3632
Skeen, Martha W	321 5 Canyon, Carlsbad, NM 88220
Whetham, Glenn W & Sharon K	2806 Holland, Carlsbad, NM 88220
Williams, Bobbie Jean	2501 Dona Ana, Carlsbad, NM 88220
Najera, Manuel F & Marcella S	2209 Tower Drive, Carlsbad, NM 88220
Carrell, Phillip H & Linda S	2602 Standpipe RD, Carlsbad, NM 88220
Brannan, Michael & Michelle	2522 Rocky LN, Carlsbad, NM 88220
Taylor, Jack A	2001 MC Kinley, Carlsbad, NM 88220
Ramirez, Manuel Etal	2417 Primrose, Carlsbad, NM 88220
Hodnett, Frank W & Judy D	2113 E Tower Drive, Carlsbad, NM 88220
City of Carlsbad	P0 Box 1569, Carlsbad, NM 88221-1569

Douglass, Emory J Trustee Etal	30222 Oakmont DR, Georgetown, TX 78628
Ferrini, Louise Alice & Peveler, Leo Ray	1881 Tuscola Avenue, Snyder, TX 79549
Merland, Inc	P0 Box 548, Carlsbad, NM 88221-0548
Perry, Curtis & Donna Michelle	2408 Holland Road, Carlsbad, NM 88220
Taylor D June	1401 W Fox, Carlsbad, NM 88220
Young, Rodney D	2380 Palo Verde BLVD N, Lake Havasu City, AZ 86404-2053
Mobley, W L JR & Edith M	3515 Standpipe Road, Carlsbad, NM 88220
Montoya, David	713 W Ortega, Carlsbad, NM 88220
Ortega, Jesus and Juarez, Bertha I	2700 Holland ST, Carlsbad, NM 88220 6410
Mc Bee, B Terrell & Helen Marie	3417 Standpipe Road, Carlsbad, NM 88220
Mc Bee, Benny Terrell	3417 Standpipe Road, Carlsbad, NM 88220
MC Gonagill, Lonnie Shane	2602 Socorro, Carlsbad, NM 88220
Mc Whorter, Sam W & Stella	2411 Socorro, Carlsbad, NM 88220
Meadows, Luell Dean & Pearlle O	3404 Standpipe Road, Carlsbad, NM 88220
Garcia, Miguel	428 D Vargas Dr, El Paso, TX 79908
Lunsford, Lowell D & Staci D	2412 Socorro Road, Carlsbad, NM 88220
Martinez, Antonio E & Martinez, Jorge A	2604 Socorro, Carlsbad, NM 88220
Mathews, Richard L & Sonia L	2405 Socorro, Carlsbad, NM 88220
Johnson, Richard H	2513 Holland Road, Carlsbad, NM 88220
Kurimski, Michael E & Sherri D	2621 Socorro Road, Carlsbad, NM 88220
Lackey, Jerry & June	110 Skinner Road, Carlsbad, NM 88220
Fierro, Johnny M & Rebecca D	2504 Socorro, Carlsbad, NM 88220
Hart Estate, John F & Jennie C C/O Johnson, Richard SR	2513 Holland Road, Carlsbad, NM 88220
Jackson, Sara	2601 Socorro Road, Carlsbad, NM 88220
Davis, Frank D & Nancy	1613 Live Oak PL, Carlsbad, NM 88220 4103

Dennis, Leon E & Janine	3018 Standpipe Road, Carlsbad, NM 88220
Douglass, Emory J Trustee ET AL	30222 Oakmont DR, Georgetown, TX 78628
Cox, Kenneth A	2602 Holland Road, Carlsbad, NM 88220
Cox, Kenneth A & Joyce	2602 Holland Road, Carlsbad, NM 88220
Cox, Kenneth A & Joyce Magby, Annette	2802 Holland, Carlsbad, NM 88220
Dando, Donald W	2407 Holland, Carlsbad, NM 88220
Burkeen, Brandon & Leah	2609 Holland, Carlsbad, NM 88220
Carrasco, Estela & Carrasco, Richard	2915 Standpipe Road, Carlsbad, NM 88220
AJM Properties LLC	P0 Box 1807, Carlsbad, NM 88221 1807
Arnold, Mary A	3904 Standpipe, Carlsbad, NM 88220
Navarrette, Gilbert H & Lisa J	205 E Blodgett, Carlsbad, NM 88220
Calderon, Nieves T Jr	2204 McKinley, Carlsbad, NM 88220
Daniel, Darold D & Barbara A	2108 McKinley, Carlsbad, NM 88220
Neeld, Betty R	2008 McKinley St, Carlsbad, NM 88220 6413
Harper, Donnie & Joyce	2209 McKinley, Carlsbad, NM 88220
Warren, Robert Ray & Geraldine M	2201 McKinley, Carlsbad, NM 88220
West, Travis J & Blanche I	2111 McKinley, Carlsbad, NM 88220
Corona, Lupe C & Patricia J	2103 McKinley, Carlsbad, NM 88220
Tweedy, Larry & Holman, Sherry	405 S Tenth, Carlsbad, NM 88220
Granger, Santiago B & Delia R	2910 Standpipe RD, Carlsbad, NM 88220
Tinder, Donald G II & Shirley C	2902 Standpipe RD, Carlsbad, NM 88220
Wilsher, Danny & Day Aim Greene, Donald R & Patricia A	2618 Standpipe RD, Carlsbad, NM 88220
Carrasco, Robert & Mary	2813 Standpipe RD, Carlsbad, NM 88220
Williams, Joe B & Idell Lavern Fickel, Louise	2817 Standpipe RD, Carlsbad, NM 88220
Smiley, Ray Dean & Josephine M	2713 Standpipe Road, Carlsbad, NM 88220 6481
Valenzuela, Rudolpho B & Virginia H Finco	2115 Iris ST, Carlsbad, NM 88220 6136

Ramey, Eva Belle	#54 Turkey Canyon RD, Carlsbad, NM 88220
Henson, Roger D ET AL	2313 Pebble Hill RD, Carlsbad, NM 88220
Valdez, Frank D	2312 Pebble Hill RD Carlsbad, NM 88220
Castaneda, Henry & Cecilia	2504 San Miguel, Carlsbad, NM 88220
Fiekel, Louis Lynn ET AL	2817 Standpipe RD, Carlsbad, NM 88220
Cortez, Criselda	2403 Los Alamos, Carlsbad, NM 88220
Granger, Santiago B ET AL	2910 Standpipe Road, Carlsbad, NM 88220
Jones, Frank W & Patsy A	2501 San Miguel, Carlsbad, NM 88220

PathFinder

Planning Report

Company: Marbob Energy
 Field: Whiskey Girl FEE #1
 Site: Whiskey Girl FEE #1
 Well: Whiskey Girl FEE #1
 Wellpath: Original Wellpath

Date: 12/15/2005 Time: 15:13:20 Page: 2
 Co-ordinate(NE) Reference: Site: Whiskey Girl FEE #1, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
 Plan: Plan #1 12/15/05

Section 3 : Start Build 2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6900.07	3.29	33.35	6900.00	3.17	2.08	3.17	2.50	2.50	0.00	0.00
7101.17	8.32	33.35	7100.00	20.16	13.27	20.16	2.50	2.50	0.00	0.00
7168.00	9.99	33.35	7165.98	29.05	19.12	29.05	2.50	2.50	0.00	0.00
7168.26	10.00	33.35	7166.23	29.08	19.14	29.08	2.50	2.50	0.00	0.00

Section 4 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7304.09	10.00	33.35	7300.00	48.79	32.11	48.79	0.00	0.00	0.00	0.00
7507.18	10.00	33.35	7500.00	78.24	51.50	78.24	0.00	0.00	0.00	0.00
7710.26	10.00	33.35	7700.00	107.70	70.89	107.70	0.00	0.00	0.00	0.00
7913.35	10.00	33.35	7900.00	137.16	90.27	137.16	0.00	0.00	0.00	0.00
8116.43	10.00	33.35	8100.00	166.62	109.66	166.62	0.00	0.00	0.00	0.00
8118.49	10.00	33.35	8102.03	166.92	109.86	166.92	0.00	0.00	0.00	0.00

Section 5 : Start Drop -2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8181.00	8.44	33.35	8163.73	175.28	115.36	175.28	2.50	-2.50	0.00	-180.00
8318.24	5.01	33.35	8300.00	188.70	124.19	188.70	2.50	-2.50	0.00	-180.00
8518.00	0.01	33.35	8499.51	196.00	129.00	196.00	2.50	-2.50	0.00	-180.00
8518.49	0.00	33.35	8500.00	196.00	129.00	196.00	2.50	-2.50	0.00	180.00

Section 6 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8718.49	0.00	33.35	8700.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
8918.49	0.00	33.35	8900.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
9118.49	0.00	33.35	9100.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
9318.49	0.00	33.35	9300.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
9518.49	0.00	33.35	9500.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
9718.49	0.00	33.35	9700.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
9918.49	0.00	33.35	9900.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
10118.49	0.00	33.35	10100.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
10318.49	0.00	33.35	10300.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
10518.49	0.00	33.35	10500.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
10718.49	0.00	33.35	10700.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
10918.49	0.00	33.35	10900.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
11118.49	0.00	33.35	11100.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
11318.49	0.00	33.35	11300.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
11518.49	0.00	33.35	11500.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
11718.49	0.00	33.35	11700.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
11918.49	0.00	33.35	11900.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35
12018.49	0.00	33.35	12000.00	196.00	129.00	196.00	0.00	0.00	0.00	33.35

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6500.00	0.00	33.35	6500.00	0.00	0.00	0.00	0.00	0.00	0.00	Kick Off Point
6700.00	0.00	33.35	6700.00	0.00	0.00	0.00	0.00	0.00	0.00	
6768.00	0.00	33.35	6768.00	0.00	0.00	0.00	0.00	0.00	0.00	
6768.26	0.00	33.35	6768.26	0.00	0.00	0.00	0.00	0.00	0.00	
6900.07	3.29	33.35	6900.00	3.17	2.08	3.17	2.50	2.50	0.00	
7101.17	8.32	33.35	7100.00	20.16	13.27	20.16	2.50	2.50	0.00	End of 2.5°/100' Build @
7168.00	9.99	33.35	7165.98	29.05	19.12	29.05	2.50	2.50	0.00	
7168.26	10.00	33.35	7166.23	29.08	19.14	29.08	2.50	2.50	0.00	
7304.09	10.00	33.35	7300.00	48.79	32.11	48.79	0.00	0.00	0.00	
7507.18	10.00	33.35	7500.00	78.24	51.50	78.24	0.00	0.00	0.00	

PathFinder

Planning Report

Company: Marbob Energy
 Field: Whiskey Girl FEE #1
 Site: Whiskey Girl FEE #1
 Well: Whiskey Girl FEE #1
 Wellpath: Original Wellpath

Date: 12/15/2005 Time: 15:13:20 Page: 3
 Co-ordinate(NE) Reference: Site: Whiskey Girl FEE #1, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
 Plan: Plan #1 12/15/05

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7710.26	10.00	33.35	7700.00	107.70	70.89	107.70	0.00	0.00	0.00	
7913.35	10.00	33.35	7900.00	137.16	90.27	137.16	0.00	0.00	0.00	
8116.43	10.00	33.35	8100.00	166.62	109.66	166.62	0.00	0.00	0.00	
8118.49	10.00	33.35	8102.03	166.92	109.86	166.92	0.00	0.00	0.00	
8181.00	8.44	33.35	8163.73	175.28	115.36	175.28	2.50	-2.50	0.00	End of 10.00° Hold/ Start
8318.24	5.01	33.35	8300.00	188.70	124.19	188.70	2.50	-2.50	0.00	
8518.00	0.01	33.35	8499.51	196.00	129.00	196.00	2.50	-2.50	0.00	End of Drop @ 8500' TVD @
8518.49	0.00	33.35	8500.00	196.00	129.00	196.00	2.50	-2.50	0.00	
8718.49	0.00	33.35	8700.00	196.00	129.00	196.00	0.00	0.00	0.00	
8918.49	0.00	33.35	8900.00	196.00	129.00	196.00	0.00	0.00	0.00	
9118.49	0.00	33.35	9100.00	196.00	129.00	196.00	0.00	0.00	0.00	
9318.49	0.00	33.35	9300.00	196.00	129.00	196.00	0.00	0.00	0.00	
9518.49	0.00	33.35	9500.00	196.00	129.00	196.00	0.00	0.00	0.00	
9718.49	0.00	33.35	9700.00	196.00	129.00	196.00	0.00	0.00	0.00	
9918.49	0.00	33.35	9900.00	196.00	129.00	196.00	0.00	0.00	0.00	
10118.49	0.00	33.35	10100.00	196.00	129.00	196.00	0.00	0.00	0.00	
10318.49	0.00	33.35	10300.00	196.00	129.00	196.00	0.00	0.00	0.00	
10518.49	0.00	33.35	10500.00	196.00	129.00	196.00	0.00	0.00	0.00	
10718.49	0.00	33.35	10700.00	196.00	129.00	196.00	0.00	0.00	0.00	
10918.49	0.00	33.35	10900.00	196.00	129.00	196.00	0.00	0.00	0.00	
11118.49	0.00	33.35	11100.00	196.00	129.00	196.00	0.00	0.00	0.00	
11318.49	0.00	33.35	11300.00	196.00	129.00	196.00	0.00	0.00	0.00	
11518.49	0.00	33.35	11500.00	196.00	129.00	196.00	0.00	0.00	0.00	
11718.49	0.00	33.35	11700.00	196.00	129.00	196.00	0.00	0.00	0.00	
11918.49	0.00	33.35	11900.00	196.00	129.00	196.00	0.00	0.00	0.00	
12018.49	0.00	33.35	12000.00	196.00	129.00	196.00	0.00	0.00	0.00	

Annotation

MD ft	TVD ft	
6768.00	6768.00	Kick Off Point
7168.00	7165.98	End of 2.5°/100' Build @ 10.00°
8181.00	8163.73	End of 10.00° Hold/ Start of Drop
8518.00	8499.51	End of Drop @ 8500' TVD @ 0.0°

Marbob Energy

Whiskey Girl FEE #1
Section 14, T22-S, R 26-E
Eddy County, New Mexico
Plan #1 12/15/05

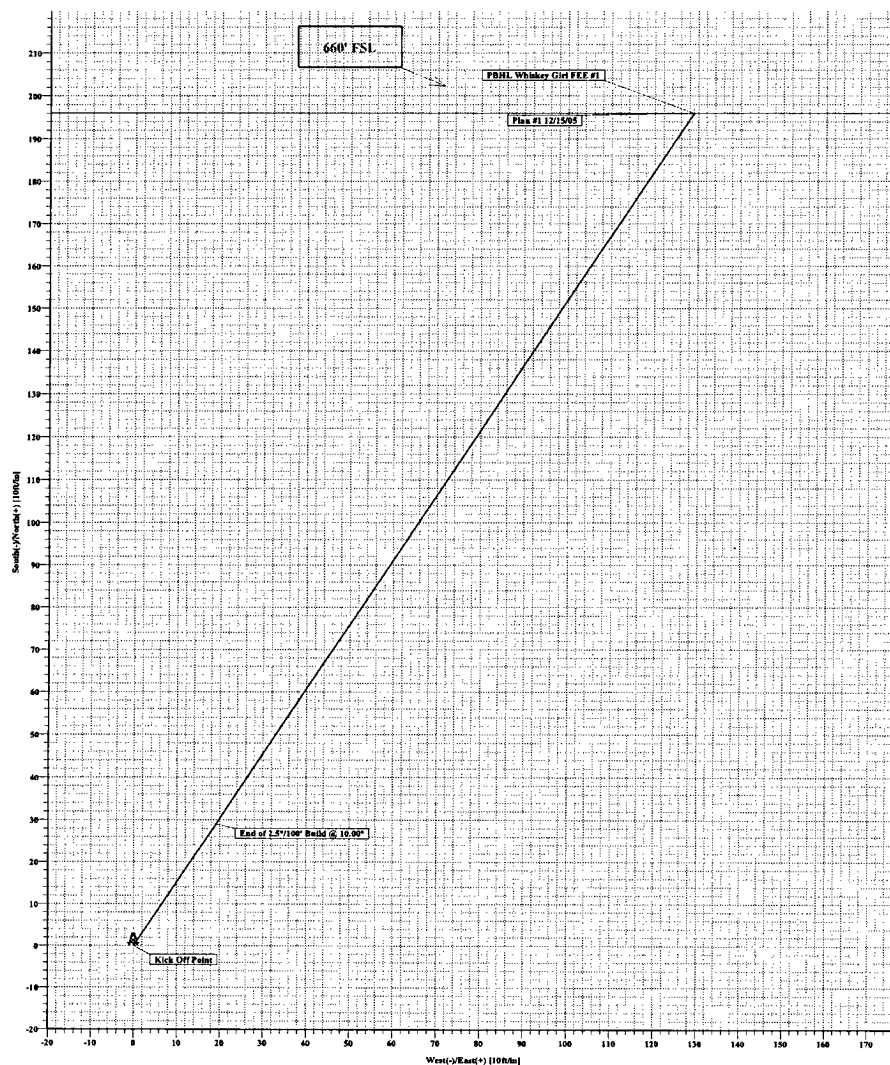
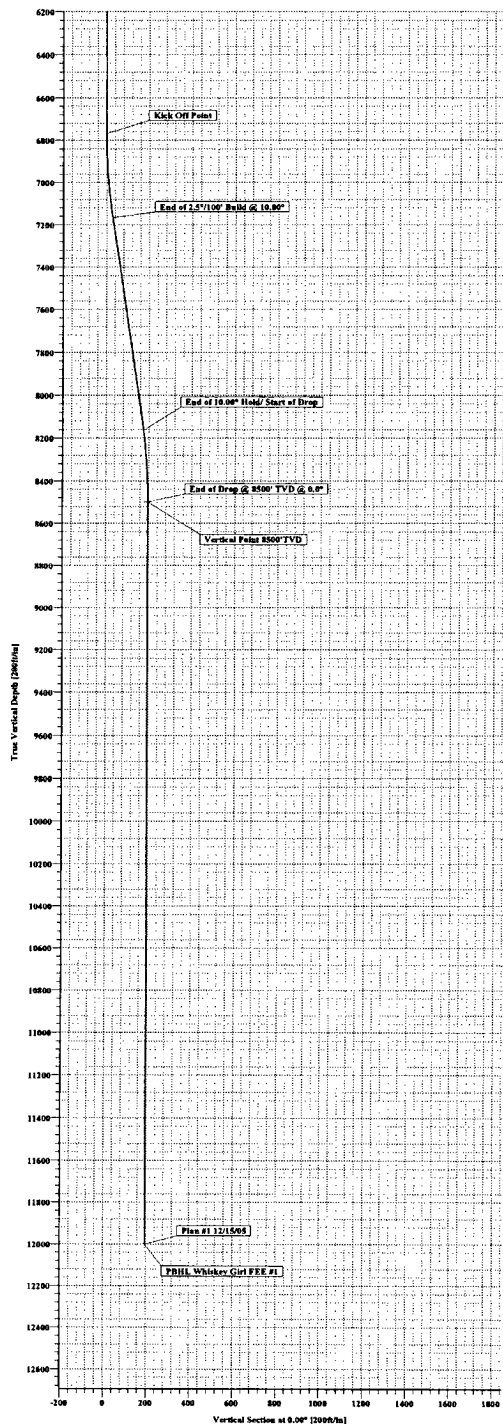
PATHFINDER
ENERGY SERVICES

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	33.35	0.00	0.00	0.00	0.00	0.00	0.00	
2	3000.00	0.00	33.35	3000.00	0.00	0.00	0.00	0.00	0.00	
3	6768.26	0.00	33.35	6768.26	0.00	0.00	0.00	0.00	0.00	
4	7168.26	10.00	33.35	7166.23	29.08	19.14	2.50	33.35	29.08	
5	8118.49	10.00	33.35	8102.03	166.92	109.86	0.00	0.00	166.92	
6	8518.49	0.00	33.35	8500.00	196.00	129.00	2.50	180.00	196.00	Vertical Point 8500'TVD
7	12018.49	0.00	33.35	12000.00	196.00	129.00	0.00	33.35	196.00	PBHL Whiskey Girl FEE #1

ANNOTATIONS			
No.	TVD	MD	Annotation
1	6768.00	6768.00	Kick Off Point
2	7165.98	7168.00	End of 2.5°/100' Build @ 10.00°
3	8163.73	8181.00	End of 10.00° Hold/ Start of Drop
4	8499.51	8518.00	End of Drop @ 8500' TVD @ 0.0°

SITE DETAILS	
Whiskey Girl FEE #1	
T-22-S & R-26-E	
464' FSL & 1119' FEL, Section 14	
Water Depth:	0.00
Positional Uncertainty:	0.00
Convergence:	0.00

COMPANY DETAILS	
Marbob Energy	
2208 W. Main St.	
Artesia, New Mexico	
Calculation Method:	Minimum Curvature
Error System:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic
Warning Method:	Error Ratio



Arrant, Bryan, EMNRD

From: Arrant, Bryan, EMNRD
To: land2@marbob.com
Cc:
Subject: Whiskey girl Fee #1, Conditions of approval
Attachments:

Sent: Thu 12/29/2005 11:11 AM

Hello again Nancy,
I need to get from you the following so that I can get this APD off my OCD On-Line screen.

Due to the sensitivity of this area @ Carlsbad, we require a 'full blown' H2S contingency plan. I'll fax over to you a 'go by' that I would like to have your company submit.

I also need to have in writing the distance to the nearest occupied dwelling(s) in proximity to this well bore.
You may need to include phone #s and addresses in the h2s contingency plan.

Also, I need a letter of statement on how Marbob Energy Corporation plans to test the blow out equipment/preventors on a daily basis. Please refer to NMOCD rule 19.15.3.114 for further clarification.
Again if you have any ?????s, please shout (give me a call).

Bryan