

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 02 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-079302-A Unit Reporting Number NMNM-103029-DK NMNM-103030-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD MAY 21 '10 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Kaime 9. Well Number 2P	
4. Location of Well Surf: Unit D(NWNW), 699' FNL & 959' FWL Bottomhole: Unit C(NENW), 795' FNL & 1920' FWL Surf: Latitude: 36.477101° N (NAD83) Longitude: 107.497035° W Bottomhole: Latitude: 36.477008° N (NAD83) Longitude: 107.493767° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 20, T26N, R6W API # 30-039- 30939	
14. Distance in Miles from Nearest Town 46 miles / Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 699'	17. Acres Assigned to Well 320.0 - N/2 (MV/DK)	
16. Acres in Lease 320.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from Kaime 2M (DK/MV/CH)		
19. Proposed Depth 7434'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6634' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>3/1/2010</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Hold C104

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

for Directional Survey
and "As Drilled" plat

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

MAY 21 2010

NMOC

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

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 October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

MAR 02 2010

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30939	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 24389	⁵ Property Name KAIME	⁶ Well Number 2P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6634

¹⁰ SURFACE LOCATION

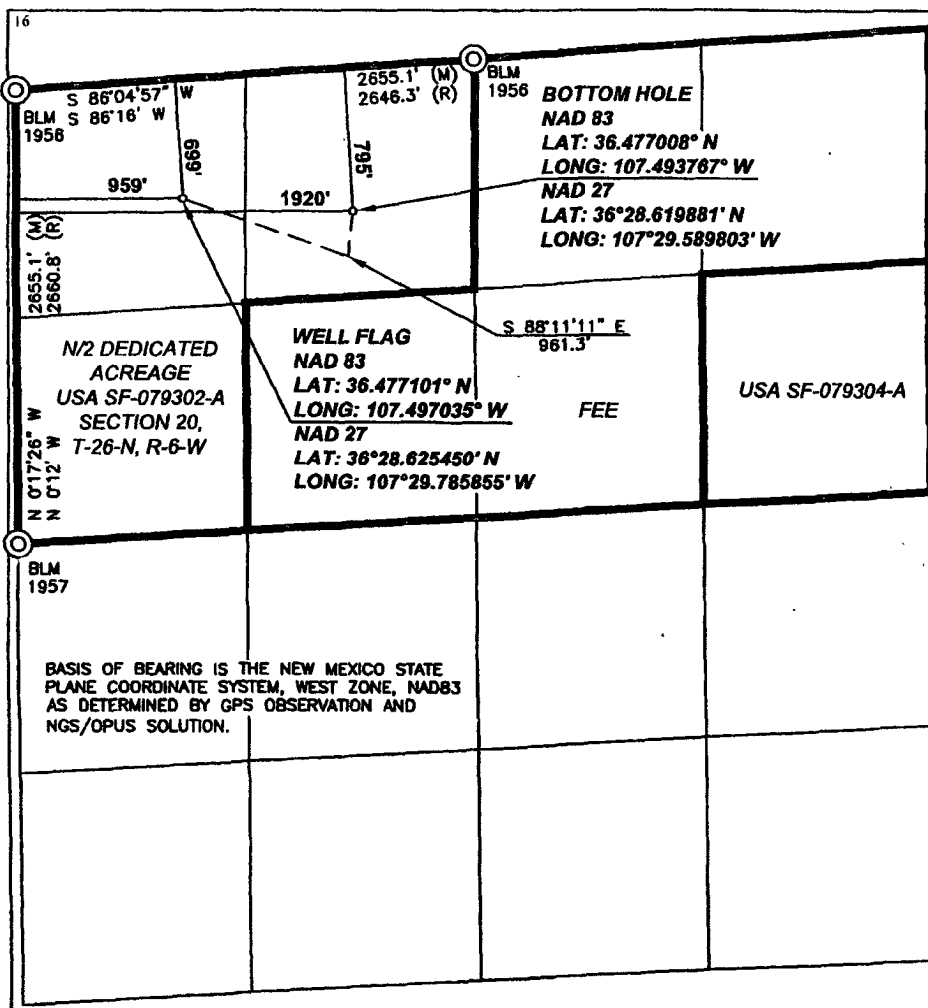
UL or lot no. D	Section 20	Township 26-N	Range 6-W	Lot Idn	Feet from the 699	North/South line NORTH	Feet from the 959	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 20	Township 26-N	Range 6-W	Lot Idn	Feet from the 795	North/South line NORTH	Feet from the 1920	East/West line WEST	County RIO ARRIBA
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¹² Dedicated Acres 320.0 N/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION

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

Signature

Kelly Jeffery

Printed Name

Regulatory Technician

Title and E-mail Address

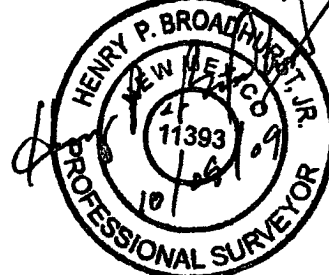
Date

¹⁸ 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.

Date of Survey: 9/21/08

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KAIME 2P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9344		AFE \$: 935,396.61	
Field Name: SAN JUAN		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)
FRR	BASIN DAKOTA (PRORATED GAS)

RECEIVED

MAR 23 2010

Bureau of Land Management
Farmington Field Office

Location: Surface		Datum Code: NAD 27		Directional	
Latitude: 36.477091	Longitude: -107.496430	X:	Y:	Section: 20	Range: 006W
Footage X: 959 FWL	Footage Y: 699 FNL	Elevation: 6634	(FT)	Township: 026N	

Tolerance:		Location: Bottom Hole		Datum Code: NAD 27		Directional	
Latitude: 36.476998	Longitude: -107.493163	X:	Y:	Section: 20	Range: 006W		
Footage X: 1920 FWL	Footage Y: 795 FNL	Elevation:	(FT)	Township: 026N			

Tolerance:		Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
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Formation Data:		Assume KB = 6650		Units = FT	
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6450	☐			200' OH, 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	904	5746	☐			
OJO ALAMO	2224	4426	☐			
KIRTLAND	2380	4270	☐			
FRUITLAND	2519	4131	☐			Possible Gas
PICTURED CLIFFS	2889	3761	☐	635		
LEWIS	2995	3655	☐		101	
Intermediate Casing	3095	3555	☐			8-3/4" hole. 7" 23 ppf, J-55, LTC casing. Cement with 742 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3343	3307	☐			
CHACRA	3778	2872	☐			
UPPER CLIFF HOUSE	4337	2313	☐			
MASSIVE CLIFF HOUSE	4513	2137	☐			
MENEFEE	4583	2067	☐			
POINT LOOKOUT	5159	1491	☐	446	141	GAS
MANCOS	5486	1164	☐			
UPPER GALLUP	6243	407	☐			
GREENHORN	7066	-416	☐			
GRANEROS	7120	-470	☐			
TWO WELLS	7176	-526	☐	2746	182	Gas
PAGUATE	7227	-577	☐			
UPPER CUBERO	7268	-618	☐			
LOWER CUBERO	7299	-649	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KAIME 2P

DEVELOPMENT

ENCINAL	7370	-720	☐		Vaughn 31 well, 1.2 miles from this location, drilled to morrison & completed in 1980 down into the oak canyon sand, encn clearly wet on logs.
BURRO CANYON	7380	-730	☐	186	
Total Depth	7434	-784	☐		6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80 LTC casing. Cement with 576 cuft. Circulate cement a minimum of 100' inside the previous casing string..

Reference Wells:		
Reference Type	Well Name	Comments
Production	KAIME 2M	

Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
mud log ~100' above gllp to td. perf 4' into encn, 60' (20' rat hole + 40' mud shoe) above td. mud logger will call td.	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Kaime #2P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6650.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6650.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Kaime #2P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,498.9	7,299.0	Lower Cubero		0.00		
5,685.9	5,486.0	Mancos		0.00		
2,709.8	2,519.0	Fruitland Coal		0.00		
5,358.9	5,159.0	Point Lookout		0.00		
7,319.9	7,120.0	Graneros		0.00		
3,542.9	3,343.0	Huerfano Bentonite		0.00		
3,977.9	3,778.0	Chacra		0.00		
4,782.9	4,583.0	Menefee		0.00		
913.5	904.0	Nacimiento		0.00		
7,579.9	7,380.0	Burro Canyon		0.00		
3,088.5	2,889.0	Pictured Cliffs		0.00		
6,442.9	6,243.0	Upper Gallup		0.00		
4,536.9	4,337.0	Upper Cliff House		0.00		
2,562.1	2,380.0	Kirtland		0.00		
7,569.9	7,370.0	Encinal		0.00		
7,375.9	7,176.0	Two Wells		0.00		
7,426.9	7,227.0	Paguate		0.00		
7,265.9	7,066.0	Greenhorn		0.00		
3,194.9	2,995.0	Lewis		0.00		
7,467.9	7,268.0	Upper Cubero		0.00		
2,390.5	2,224.0	Ojo Alamo		0.00		
4,712.9	4,513.0	Massive Cliff House		0.00		

REFERENCE INFORMATION

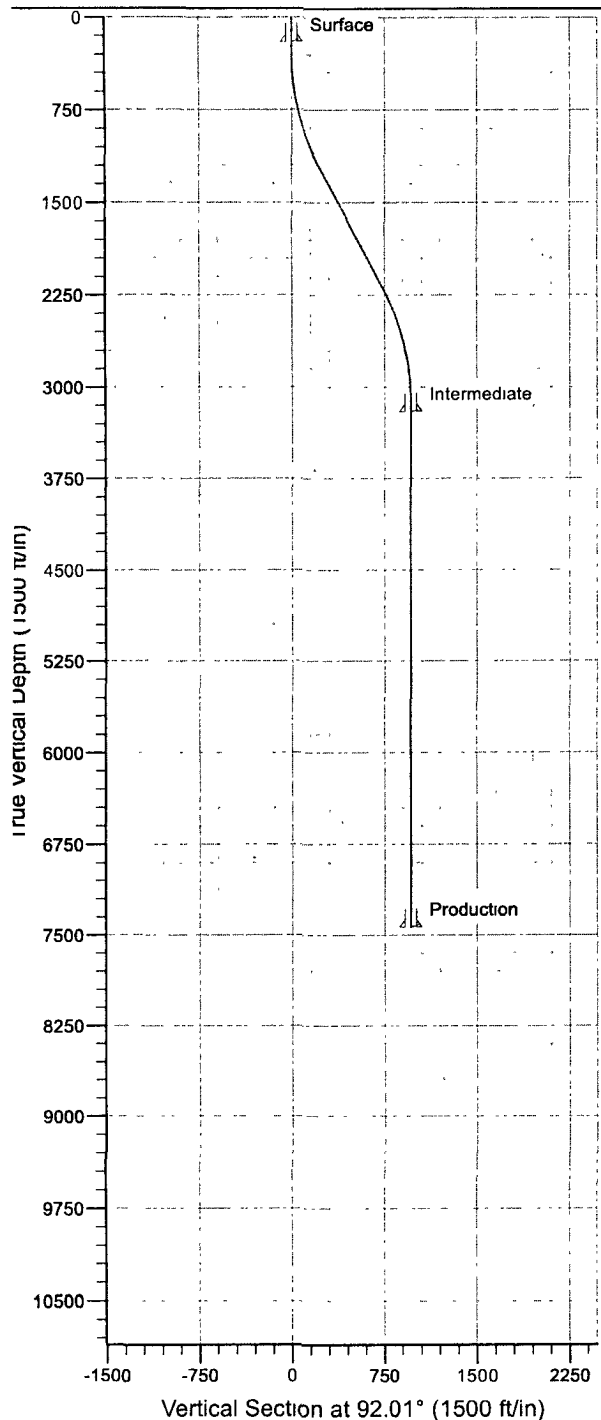
RKB @ 6650.0ft (Original Well Elev)
Ground Elevation 6634.0
Reference Lat: 36° 28' 37.527 N
Reference Long: 107° 29' 47.151 W

Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Kaime #2P
Wellbore: Principal Wellbore
Design: Plan #1



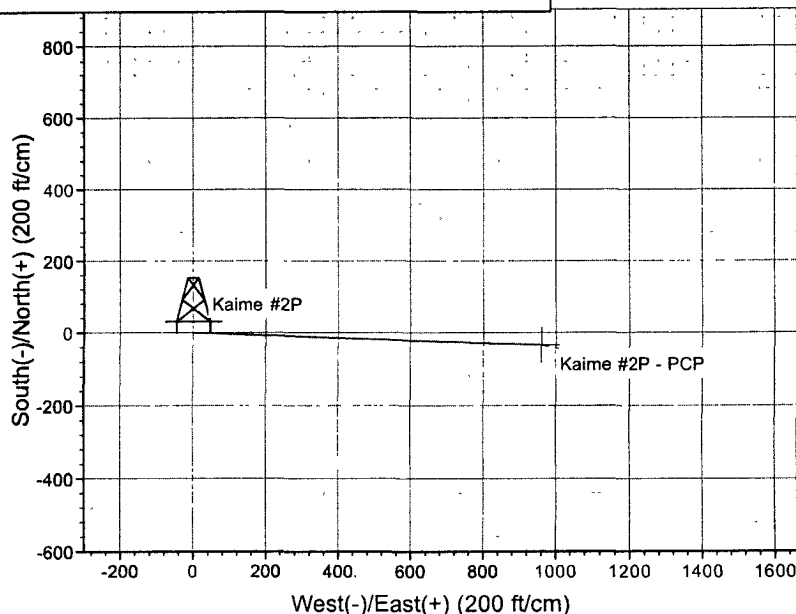
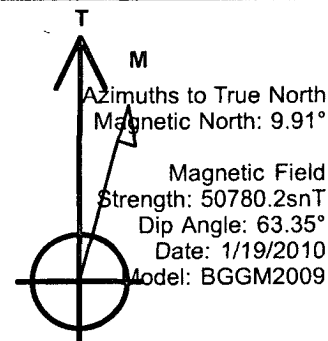
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1241.6	27.65	92.01	1206.3	-7.7	218.0	3.00	92.01	218.1	
4	2373.3	27.65	92.01	2208.7	-26.1	742.8	0.00	0.00	743.2	
5	3294.9	0.00	0.00	3095.0	-33.8	960.7	3.00	180.00	961.3	Kaime #2P - ICP
6	7633.9	0.00	0.00	7434.0	-33.8	960.7	0.00	0.00	961.3	Kaime #2P - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
904.0	913.5	Nacimiento
2224.0	2390.5	Ojo Alamo
2380.0	2562.1	Kirtland
2519.0	2709.8	Fruitland Coal
2889.0	3088.5	Pictured Cliffs
2995.0	3194.9	Lewis
3343.0	3542.9	Huerfanito Bentonite
3778.0	3977.9	Chacra
4337.0	4536.9	Upper Cliff House
4513.0	4712.9	Massive Cliff House
4583.0	4782.9	Menefee
5159.0	5358.9	Pioint Lookout
5486.0	5685.9	Mancos
6243.0	6442.9	Upper Gallup
7066.0	7265.9	Greenhorn
7120.0	7319.9	Graneros
7176.0	7375.9	Two Wells
7227.0	7426.9	Paguate
7268.0	7467.9	Upper Cubero
7299.0	7498.9	Lower Cubero
7370.0	7569.9	Encinal
7380.0	7579.9	Burro Canyon



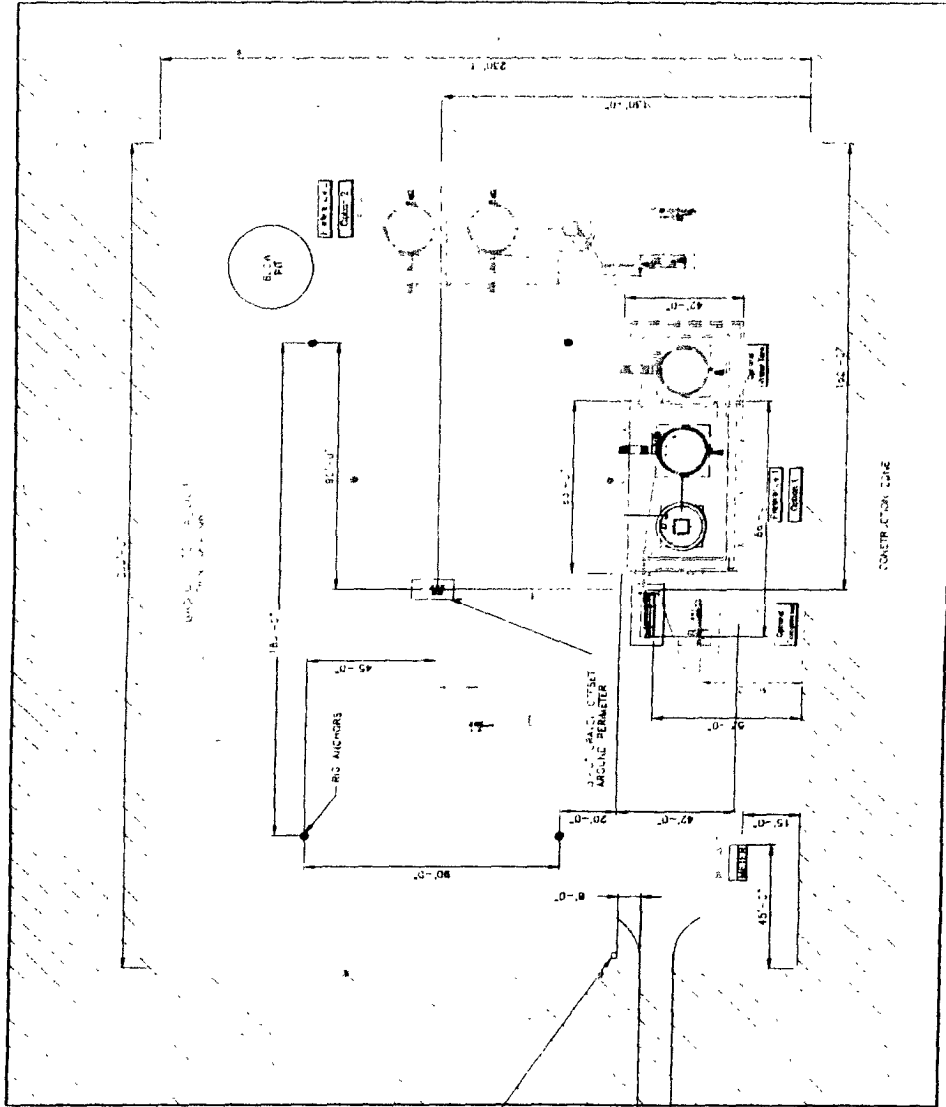


FIG. 1
SALES LINE
PIT LINE
ON LINE

ALL DIMENSIONS ARE IN FEET AND INCHES
ALL DIMENSIONS ARE TO BE BUILT AND NOT TO EXCEED

CONSTRUCTION CODE		SAN JUAN BUSINESS UNIT		CenocoPhillips		FACILITY NAME - SEE ATT.	
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
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785	786	787	788	789	790	791	792
793	794	795	796	797	798	799	800
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817	818	819	820	821	822	823	824
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897	898	899	900	901	902	903	904
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921	922	923	924	925	926	927	928
929	930	931	932	933	934	935	936
937	938	939	940	941	942	943	944
945	946	947	948	949	950	951	952
953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968
969	970	971	972	973	974	975	976
977	978	979	980	981	982	983	984
985	986	987	988	989	990	991	992
993	994	995	996	997	998	999	1000

BURLINGTON RESOURCES OIL & GAS COMPANY LP

KAIME 2P

699' FNL, 959' FWL

SECTION 20, T-26-N, R-6-W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

NAD 83 LAT.: 36.477101°N LONG.: 107.497035°W

ELEV.: 6634 NAVD88

NO NEW ACCESS

FROM BLOOMFIELD, NEW MEXICO:

- GO 1.0 MILE SOUTH ON HWY. 550 AND TURN LEFT (EAST) ON C.R. 4990.
- GO 15.0 MILES EAST ON C.R. 4990 TO THE INTERSECTION OF C.R. 4450 SOUTH OF "5 MILE BRIDGE." STAY ON THE MAIN ROAD AND CONTINUE ON C.R. 4450.
- GO 3.1 MILES SOUTHEAST ON C.R. 4450 TO C.R. 7007 INTERSECTION. STAY STRAIGHT AND CONTINUE ON C.R. 4450.
- GO 11.8 MILES SOUTHEAST FROM C.R. 7007 INTERSECTION STAYING ON C.R. 4450 TRAVELING ALONG THE SOUTHERN SIDE OF LARGO CANYON. ENTER RIO ARRIBA COUNTY (SEE SIGN).
- GO 6.6 MILES FROM COUNTY LINE CONTINUING SOUTHEAST ALONG THE SOUTHERN SIDE OF LARGO CANYON. NOW ON RIO ARRIBA C.R. 379, CONTINUE TO "THE OLD LARGO SCHOOL HOUSE" (NOW BED AND BREAKFAST). STAY LEFT AND CROSS BRIDGE OVER LARGO WASH NOW ON STATE RD. 403.
- GO 3.5 MILES NORTHEAST UP INTO "ICE CANYON" AND TURN RIGHT (EAST).
- GO 0.3 MILES NORTHEAST PAST THE CORRALS AND TURN RIGHT.
- GO 1.4 MILES SOUTHEAST AND TURN RIGHT (SOUTH).
- GO 1.0 MILES SOUTH (TOWARDS "DOGIE CANYON"). TURN RIGHT. NOTE: LOCKED GATE JUST PAST TURN.
- GO 0.8 MILES SOUTH WEST. TURN RIGHT AT "Y" IN ROAD.
- GO 1.5 MILES SOUTH WEST. TURN LEFT (SOUTH) ONTO ACCESS TO EXISTING KAIME #2M WELL.
- GO 0.3 MILES TO EXISTING KAIME #2M WELL. NEW WELL STAKED AS TWIN HERE.