

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED	5. Lease Number NM-03717 Unit Reporting Number
1b. Type of Well GAS	OCT 04 2012	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	Farmington Field Office Bureau of Land Management	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name HOUCK COM 9. Well Number 2
4. Location of Well Surface: Unit E (SW/NW), 1570' FNL & 1114' FWL BHL : Unit E (SW/NW), 1970' FNL & 1115' FWL Surface: Latitude: 36.74307° N (NAD83) Longitude: 107.93017° W BHL : Latitude: 36.74197° N (NAD83) Longitude: 107.93017° W		10. Field, Pool, Wildcat BLANCO MV /BASIN DK 11. Sec., Twn, Rge, Mer. (NMPM) Sur: Sec. 7, T29N, R10W BHL: Sec. 7, T29N, R10W API # 30-045-35417
14. Distance in Miles from Nearest Town 6 mi from Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 718'		
16. Acres in Lease 143.920	 H₂S POTENTIAL EXIST	17. Acres Assigned to Well N/2 (308.28)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' FROM BR-HOUCK COM 2N MV/DK		
19. Proposed Depth 6699'	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5784' GL		22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Marie E. Jaramillo (Staff Regulatory Tech)		10/3/12 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 10/17/12

Archaeological Report attached A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

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

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

for Directional Survey

Hold C104

NMOCD

NOV 08 2012 ca

AV

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 LAND

Hold C104

for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

OCT 04 2012 Form C-102
Revised July 10, 2010

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit one copy to appropriate
Farmington Field Office District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION Bureau of Land Management
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045 - 35417	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 37577	⁵ Property Name HOUCK COM	⁶ Well Number 2
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5784'

¹⁰ Surface Location

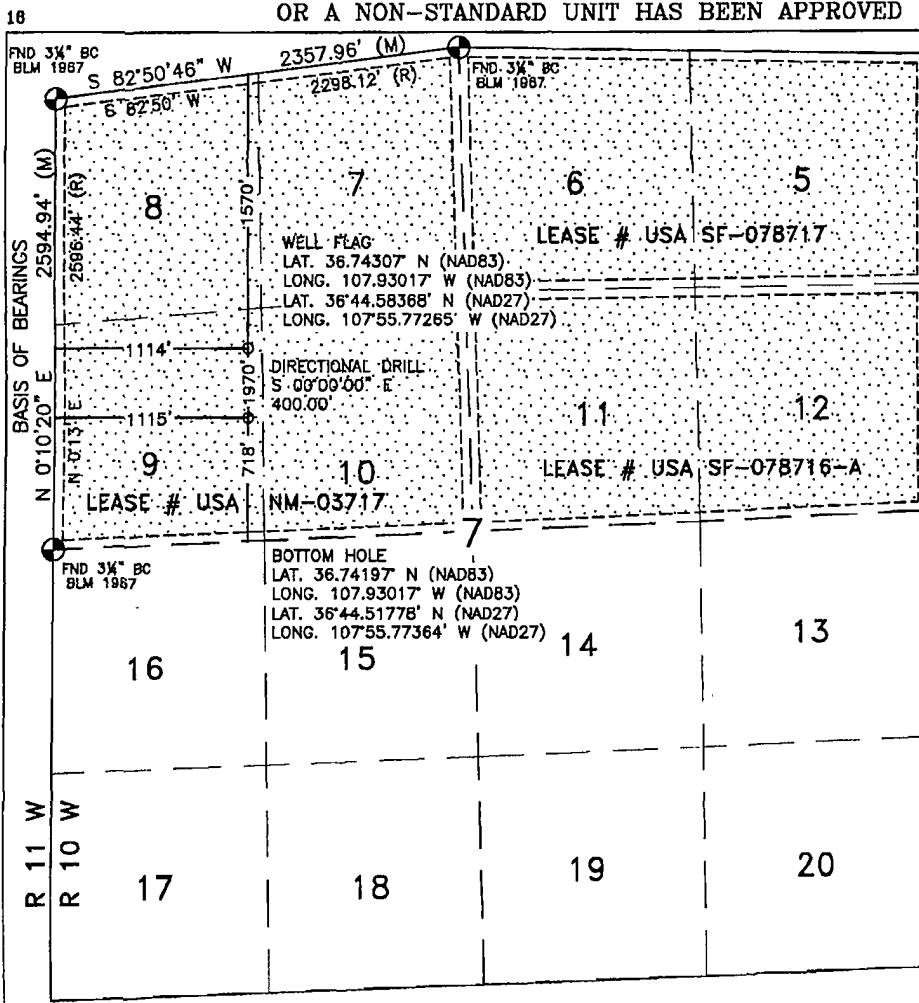
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	7	29N	10W	9	1570'	NORTH	-1114'	WEST	SAN JUAN

¹¹ 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
E	7	29N	10W	9	1970'	NORTH	1115'	WEST	SAN JUAN

¹² Dedicated Acres 308.28 ACRES - 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen R. Kellywood 4/20/11
Signature Date

Arleen R. Kellywood
Printed Name

E-mail Address

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.

FEBRUARY 25, 2011

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell
DAVID R. RUSSELL
REGISTERED PROFESSIONAL LAND SURVEYOR
NEW MEXICO
1020

Certificate Number

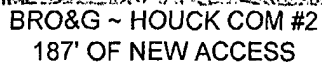
10201

WELL FLAG

HOUCK COM #2

E.R.A.

867' OF NEW ACCESS ACROSS BLM LANDS



NEW ACCESS

EMERGENCY
RESPONSE AREA

~~RRS~~

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HOUCK COM 2

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1055				AFE \$: 1,150,816.25	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.743065	Longitude: -107.929549	X:	Y:	Section: 07	Range: 010W		
Footage X: 1114 FWL	Footage Y: 1570 FNL	Elevation: 5786	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.741965	Longitude: -107.929549	X:	Y:	Section: 07	Range: 010W		
Footage X: 1115 FWL	Footage Y: 1970 FNL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = .5801 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	202	5599		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	793	5008		☐			
KIRTLAND	990	4811		☐			
FRUITLAND	1610	4191		☐			Possible Gas
PICTURED CLIFFS	2129	3672		☐			
LEWIS	2224	3577		☐			
HUERFANITO BENTONITE	2915	2886		☐			
CHACRA	3134	2667		☐			
MASSIVE CLIFF HOUSE	3799	2002		☐	390		Gas
MENEFEE	3846	1955		☐			
Intermediate Casing	3996	1805		☐		136	8 3/4" Hole. 7", 23 ppf, J-55, STC/BTC Casing. Cement with 900 cuft. Circulate cement to surface.
POINT LOOKOUT	4445	1356		☐			
MANCOS	4813	988		☐			
UPPER GALLUP	5670	131		☐			
GREENHORN	6421	-620		☐			
GRANEROS	6477	-676		☐			
TWO WELLS	6541	-740		☐	1657		Gas
PAGUATE	6593	-792		☐			
CUBERO	6650	-849		☐			
Total Depth	6699	-898		☐		193	6-1/4" hole, 4-1/2" 11.6 ppf, L/N-80, STC/BTC casing. Cement w/ 358 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HOUCK COM 2

DEVELOPMENT

ENCINAL 6699 -898 ☐

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Est bottom perf ~15' above the Cubero

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Houck Com #2
Company:	ConocoPhillips SIBU	TVD Reference:	RKB @ 5801.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 5801.0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grid
Well:	Houck Com #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principle Wellbore		
Design:	Houck Com #2 APD		

Project	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	Other Named Wells		
Site Position:	Lat/Long	Northing:	2,108,178.26 usft
From:		Easting:	643,887.63 usft
Position Uncertainty:	15.0 usft	Slot Radius:	6-1/8"
		Grid Convergence:	0.29 °

Well	Houck Com #2		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Ground Level:	5,786.0 usft

Wellbore	Principle Wellbore		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2012	9/13/2012	9.81
			Dip Angle
			(°)
			Field Strength
			(nT)
			50,552

Design	Houck Com #2 APD		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			180.75

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,439.9	12.80	180.75	1,434.6	-71.2	-0.9	2.00	2.00	0.00	180.75	
2,709.8	12.80	180.75	2,673.0	-352.4	-4.6	0.00	0.00	0.00	0.00	
3,136.4	0.00	0.00	3,096.0	-399.9	-5.2	3.00	-3.00	0.00	180.00	
4,036.4	0.00	0.00	3,996.0	-399.9	-5.2	0.00	0.00	0.00	0.00	Houck Com #2 ICP
6,739.4	0.00	0.00	6,699.0	-399.9	-5.2	0.00	0.00	0.00	0.00	Houck Com #2 PCP

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Houck Com #2
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5801.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 5801.0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grid
Well:	Houck Com #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principle Wellbore		
Design:	Houck Com #2 APD		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
surf									
793.0	0.00	0.00	793.0	0.0	0.0	0.0	0.00	0.00	0.00
Ojo Alamo									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	2.00	180.75	900.0	-1.7	0.0	1.7	2.00	2.00	0.00
990.1	3.80	180.75	990.0	-6.3	-0.1	6.3	2.00	2.00	0.00
Kirtland									
1,000.0	4.00	180.75	999.8	-7.0	-0.1	7.0	2.00	2.00	0.00
1,100.0	6.00	180.75	1,099.5	-15.7	-0.2	15.7	2.00	2.00	0.00
1,200.0	8.00	180.75	1,198.7	-27.9	-0.4	27.9	2.00	2.00	0.00
1,300.0	10.00	180.75	1,297.5	-43.5	-0.6	43.5	2.00	2.00	0.00
1,400.0	12.00	180.75	1,395.6	-62.6	-0.8	62.6	2.00	2.00	0.00
1,439.9	12.80	180.75	1,434.6	-71.2	-0.9	71.2	2.00	2.00	0.00
1,500.0	12.80	180.75	1,493.2	-84.5	-1.1	84.5	0.00	0.00	0.00
1,600.0	12.80	180.75	1,590.7	-106.6	-1.4	106.6	0.00	0.00	0.00
1,619.8	12.80	180.75	1,610.0	-111.0	-1.4	111.0	0.00	0.00	0.00
Fruitland									
1,700.0	12.80	180.75	1,688.2	-128.8	-1.7	128.8	0.00	0.00	0.00
1,800.0	12.80	180.75	1,785.7	-150.9	-2.0	150.9	0.00	0.00	0.00
1,900.0	12.80	180.75	1,883.3	-173.1	-2.3	173.1	0.00	0.00	0.00
2,000.0	12.80	180.75	1,980.8	-195.2	-2.5	195.2	0.00	0.00	0.00
2,100.0	12.80	180.75	2,078.3	-217.4	-2.8	217.4	0.00	0.00	0.00
2,152.0	12.80	180.75	2,129.0	-228.9	-3.0	228.9	0.00	0.00	0.00
Pictured Cliffs									
2,200.0	12.80	180.75	2,175.8	-239.5	-3.1	239.5	0.00	0.00	0.00
2,249.4	12.80	180.75	2,224.0	-250.5	-3.3	250.5	0.00	0.00	0.00
Lewis									
2,300.0	12.80	180.75	2,273.3	-261.7	-3.4	261.7	0.00	0.00	0.00
2,400.0	12.80	180.75	2,370.8	-283.8	-3.7	283.8	0.00	0.00	0.00
2,500.0	12.80	180.75	2,468.4	-306.0	-4.0	306.0	0.00	0.00	0.00
2,600.0	12.80	180.75	2,565.9	-328.1	-4.3	328.1	0.00	0.00	0.00
2,700.0	12.80	180.75	2,663.4	-350.3	-4.6	350.3	0.00	0.00	0.00
2,709.8	12.80	180.75	2,673.0	-352.4	-4.6	352.5	0.00	0.00	0.00
2,800.0	10.09	180.75	2,761.3	-370.3	-4.8	370.4	3.00	-3.00	0.00
2,900.0	7.09	180.75	2,860.2	-385.3	-5.0	385.3	3.00	-3.00	0.00
2,955.1	5.44	180.75	2,915.0	-391.3	-5.1	391.3	3.00	-3.00	0.00
Huerfano Bentonite									
3,000.0	4.09	180.75	2,959.7	-395.0	-5.1	395.0	3.00	-3.00	0.00
3,100.0	1.09	180.75	3,059.6	-399.5	-5.2	399.6	3.00	-3.00	0.00
3,136.4	0.00	0.00	3,096.0	-399.9	-5.2	399.9	3.00	-3.00	0.00
3,174.4	0.00	0.00	3,134.0	-399.9	-5.2	399.9	0.00	0.00	0.00
Chacra									
3,839.4	0.00	0.00	3,799.0	-399.9	-5.2	399.9	0.00	0.00	0.00
Massive Cliffhouse									
3,886.4	0.00	0.00	3,846.0	-399.9	-5.2	399.9	0.00	0.00	0.00
Menefee									
4,036.4	0.00	0.00	3,996.0	-399.9	-5.2	399.9	0.00	0.00	0.00
Intr									
4,485.4	0.00	0.00	4,445.0	-399.9	-5.2	399.9	0.00	0.00	0.00
Point Lookout									

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Houck Com #2
Company:	ConocoPhillips SIBU	TVD Reference:	RKB @ 5801.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 5801.0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grid
Well:	Houck Com #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principle Wellbore		
Design:	Houck Com #2 APD		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,853.4	0.00	0.00	4,813.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Mancos										
5,710.4	0.00	0.00	5,670.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Upper Gallup										
6,461.4	0.00	0.00	6,421.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Greenhorn										
6,517.4	0.00	0.00	6,477.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Graneros										
6,581.4	0.00	0.00	6,541.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Two Wells										
6,633.4	0.00	0.00	6,593.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Paguate										
6,690.4	0.00	0.00	6,650.0	-399.9	-5.2	399.9	0.00	0.00	0.00	
Cubero										
6,739.4	0.00	0.00	6,699.0	-399.9	-5.2	399.9	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Houck Com #2 ICP	0.00	360.00	3,996.0	-399.9	-5.2	2,089,344.90	471,805.52	36° 44' 31.067 N	107° 55' 46.418 W	
- plan hits target center										
- Point										
Houck Com #2 PCP	0.00	360.00	6,699.0	-399.9	-5.2	2,089,344.90	471,805.52	36° 44' 31.067 N	107° 55' 46.418 W	
- plan hits target center										
- Point										

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")		
200.0	200.0	surf	9-5/8	12-1/4		
4,036.4	3,996.0	intr	7	8-3/4		
6,739.4	6,699.0	prod	4-1/2	6-1/4		

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Houck Com #2
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5801.0usft (Original Well Elev)
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Site:	Other Named Wells	North Reference:	Grid
Well:	Houck Com #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principle Wellbore		
Design:	Houck Com #2 APD		

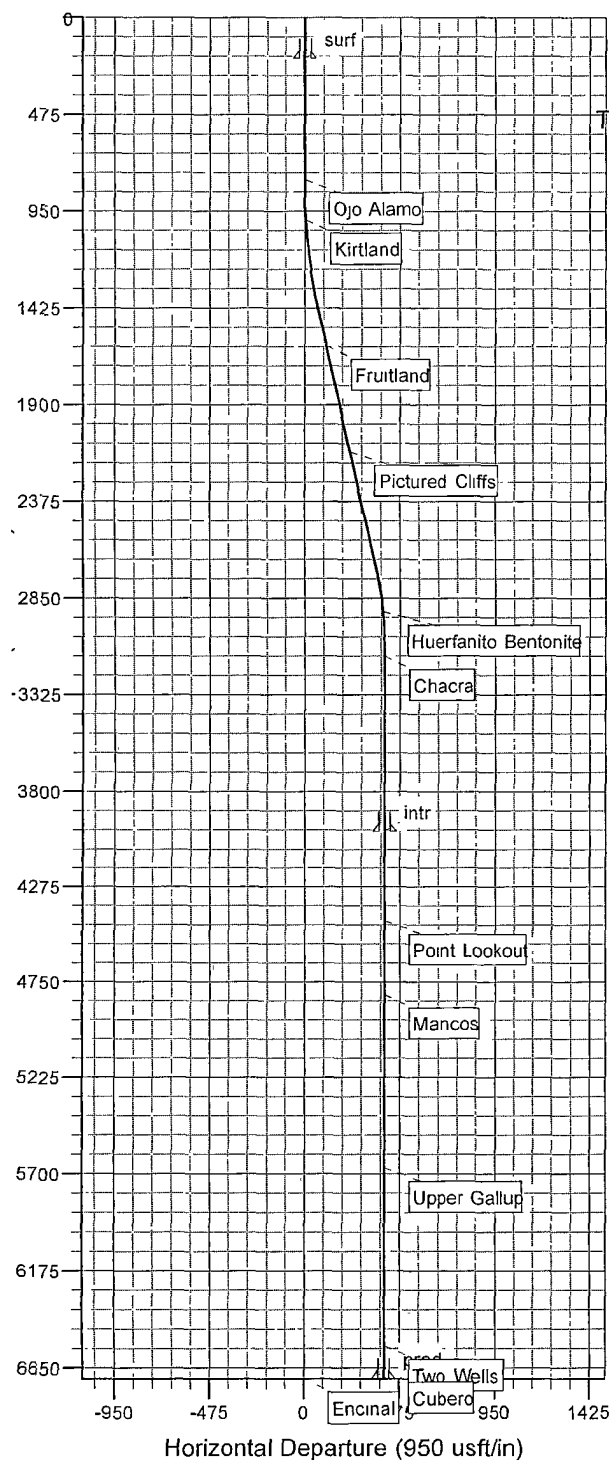
Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,461.4	6,421.0	Greenhorn		0.00		
6,581.4	6,541.0	Two Wells		0.00		
3,886.4	3,846.0	Menefee		0.00		
793.0	793.0	Ojo Alamo		0.00		
6,517.4	6,477.0	Graneros		0.00		
3,174.4	3,134.0	Chacra		0.00		
4,853.4	4,813.0	Mancos		0.00		
6,690.4	6,650.0	Cubero		0.00		
2,152.0	2,129.0	Pictured Cliffs		0.00		
3,839.4	3,799.0	Massive Cliffhouse		0.00		
6,633.4	6,593.0	Paguate		0.00		
2,955.1	2,915.0	Huerfano Bentonite		0.00		
4,485.4	4,445.0	Point Lookout		0.00		
990.1	990.0	Kirtland		0.00		
1,619.8	1,610.0	Fruitland		0.00		
2,249.4	2,224.0	Lewis		0.00		
5,710.4	5,670.0	Upper Gallup		0.00		

<B @ 5801.0usft (Original Well Elev)
 Ground Elevation 5786.0
 Reference Lat: 36° 44' 35.021 N
 Reference Long: 107° 55' 46.359 W

Project: San Juan Basin - New Mexico West v
 Site: Other Named Wells
 Well: Houck Com #2
 Wellbore: Principle Wellbore
 Design: Houck Com #2 APD

SECTION DETAILS

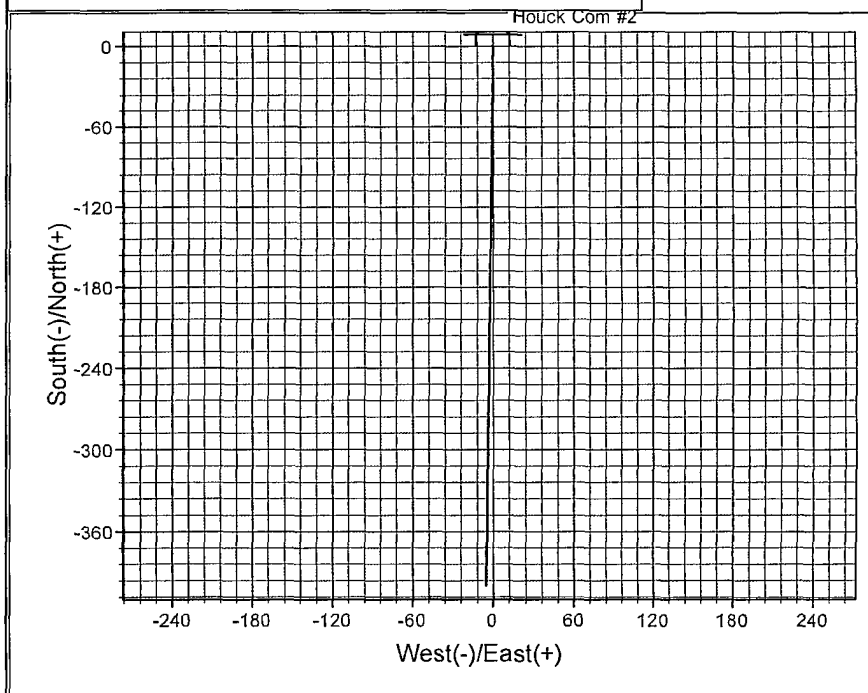
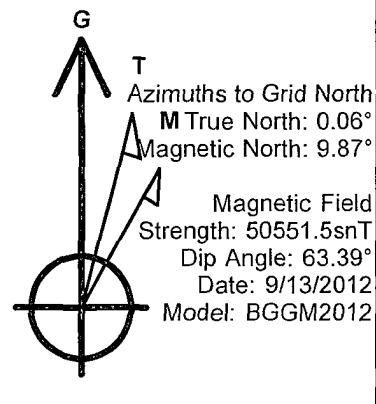
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1439.9	12.80	180.75	1434.6	-71.2	-0.9	2.00	180.75	71.2	
4	2709.8	12.80	180.75	2673.0	-352.4	-4.6	0.00	0.00	352.5	
5	3136.4	0.00	0.00	3096.0	-399.9	-5.2	3.00	180.00	399.9	
6	4036.4	0.00	0.00	3996.0	-399.9	-5.2	0.00	0.00	399.9	Houck Com #2 ICP
7	6739.4	0.00	0.00	6699.0	-399.9	-5.2	0.00	0.00	399.9	Houck Com #2 PCP



FORMATION TOP DETAILS

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle
793.0	793.0	Ojo Alamo	0.00
990.0	990.1	Kirtland	0.00
1610.0	1619.8	Fruitland	0.00
2129.0	2152.0	Pictured Cliffs	0.00
2224.0	2249.4	Lewis	0.00
2915.0	2957.1	Huerfano Bentonite	0.00
3134.0	3174.4	Chacra	0.00
3799.0	3829.4	Point Lookout	0.00
3846.0	3886.4	Mancos	0.00
4445.0	4485.4	Upper Gallup	0.00
4813.0	4853.4	Greenhorn	0.00
5670.0	5710.4	Graneros	0.00
6421.0	6461.4	Two Wells	0.00
6477.0	6517.4	Paguate	0.00
6541.0	6581.4	Cubero	0.00
6593.0	6633.4		0.00
6650.0	6690.4		0.00



BURLINGTON RESOURCES OIL & GAS COMPANY LP

HOUCK COM #2

1570' FNL & 1114' FWL

LOCATED IN THE SW/4 NW/4 OF SECTION 7,

T29N, R10W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HIGHWAY 173 AND HIGHWAY 575, TRAVEL SOUTHEASTERLY ON HIGHWAY 575 FOR 0.75 MILES.
- 2) TURN RIGHT AND TRAVEL 1.5 MILES TO A "Y" INTERSECTION.
- 3) STAY TO THE LEFT, AND TRAVEL 0.75 MILES.
- 4) TURN RIGHT AND TRAVEL 0.2 MILES.
- 5) TURN LEFT AND FOLLOW THE MAIN ROAD, SOUTHERLY FOR 2.5 MILES.
- 6) TURN RIGHT AND TRAVEL 0.25 MILES TO THE BEGINNING OF THE FLAGGED ACCESS ON THE LEFT, BEFORE THE CHAINLINK FENCE.
- 7) FOLLOW RED FLAGGING FOR 867 FEET TO WELL FLAG.

WELL FLAG LOCATED AT LAT. 36.74307° N, LONG. 107.93017° W (NAD 83).





30-045-35417