

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 30 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078115 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD JUN 24 '08
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name 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 Turner A 9. Well Number #100
4. Location of Well Surf: Unit C (NENW), 835' FNL & 1615' FWL Surf: Latitude 36.86038° N Longitude 107.98205° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 34, T31N, R11W API # 30-045- 34726
14. Distance in Miles from Nearest Town 4 miles/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 835'	
16. Acres in Lease 2475.610 Acres	17. Acres Assigned to Well 320 (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 54' from Flood #1 - PG	
19. Proposed Depth 2509'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5739' GR	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 5-29-08 Date
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 6/23/08

Archaeological Report attached

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 2

Bond Numbers NMB-000015 and NMB-000089

JUN 30 2008

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC D FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC D PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

NMOC D



H₂S POTENTIAL EXIST

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV
1220 South 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 - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34726		² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 36823	⁵ Property Name TURNER A		⁶ Well Number 100
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 5739

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
C	34	31-N	11-W		835	NORTH	1615	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
C									
¹² Dedicated Acres 320		¹³ Joint or In#		¹⁴ Consolidation Code		¹⁵ 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

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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 released 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.

Sasha Spangler 5/24/08
Signature Date
Sasha Spangler
Printed Name

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.

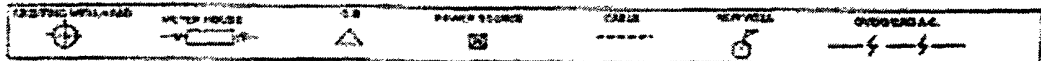
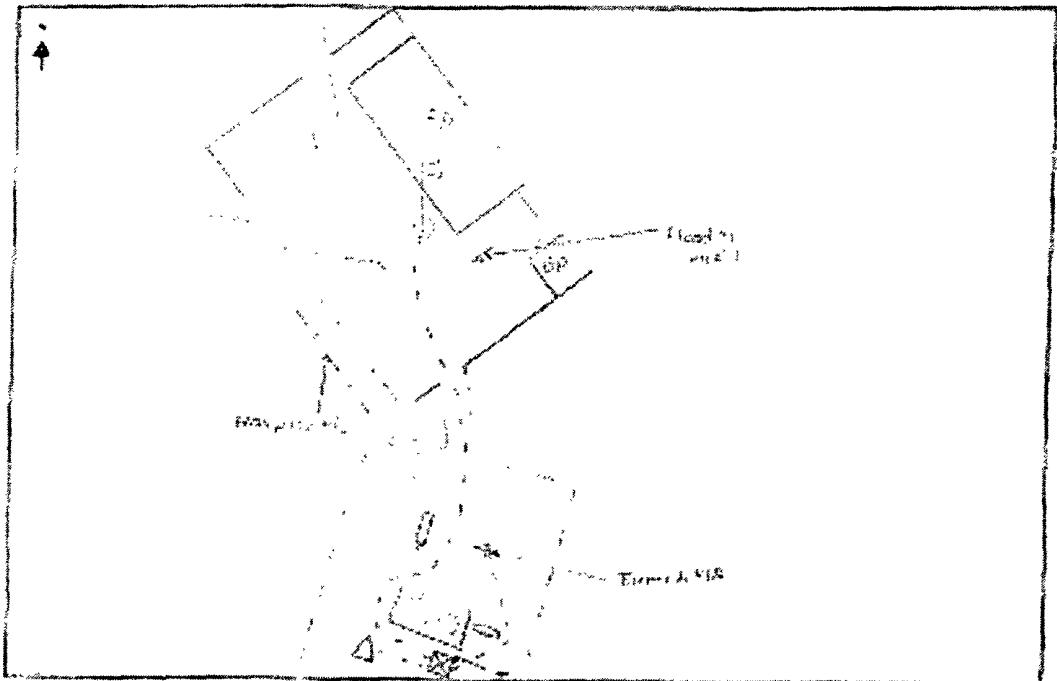
OCTOBER 10 2007
Date of Survey
Signature and Seal of Professional Land Surveyor
8894
Certificate Number



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME WELL 2-1000 LEGALS Q-34-30-1 COUNTY San Juan

PURPOSED C.P. SYSTEM: Install new CP on case mill pipe. Tie in AB10 Treacherman
200' at 250' from proposed well to existing section on Block 301A



COMMENTS: 1. 100' from 250' old well - 1. 100' from 250'

NEAREST POWER SOURCE 1. 100' from 250' DISTANCE: 100'

PIPELINES IN AREA: 1. 100' from 250'

TECHNICIAN: 1. 100' from 250' DATE: 1/10/00

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

TURNER A 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7333		AFE \$: 264,994.59	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer: Phone:	
Res. Engineer:		Phone:		Proj. Field Lead: Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.860377	Longitude: -107.981427	X:	Y:	Section: 34	Range: 011W
Footage X: 1615 FWL	Footage Y: 835 FNL	Elevation: 5739	(FT)	Township: 031N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5751	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	120	5631	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	719	5032	☐			
KIRTLAND	750	5001	☐			
FRUITLAND	1741	4010	☐	200	Gas	
FRUITLAND COAL	1999	3752	☐			
PICTURED CLIFFS	2309	3442	☐		Gas	
Total Depth	2509	3242	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 385 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

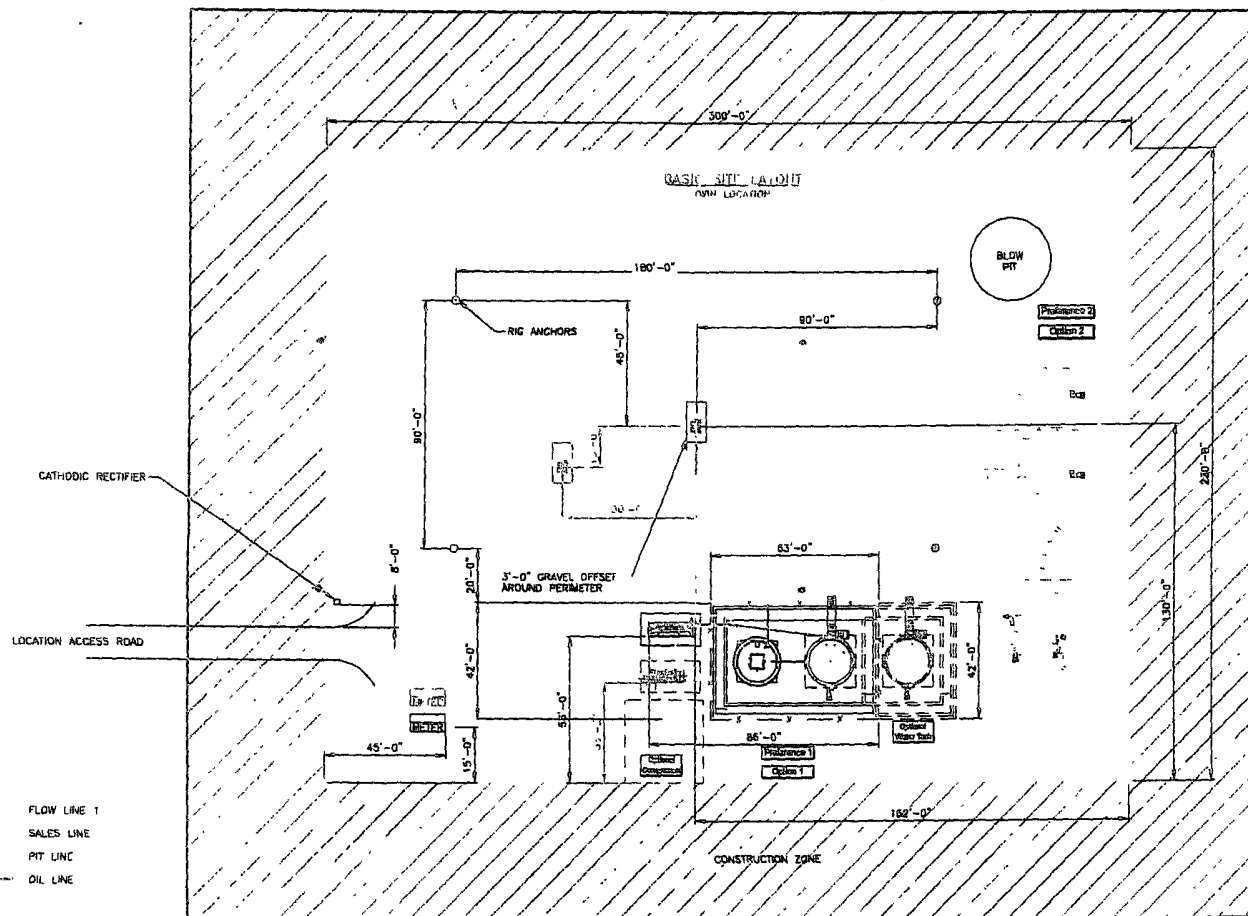
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo
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TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCOPHILLIPS HIGH PRESSURE J PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCLOSE	APPROVED	DATE	NO.	DESCRIPTION				
										PROCESS								
										EXCHANGE								
										PIPING								
										ELECTRICAL								
										I & C								
										CON/STRUCTURAL								
DESCRIPTION										DATE	BY	CHK'D	ENG	DEC	PH	SAN JUAN BUSINESS UNIT		
																CLIENT NO.	CLIENT APPR.	APPRO DATE
																DESIGN NO.	DESIGNED BY	DESIGNED DATE
																HP3PHASE-REV1		SHEET NO. 1 OF 5

Revised: 5/20/2013, 11/20/2013, 1/20/2014, 3/20/2014, 5/20/2014, 7/20/2014, 9/20/2014, 11/20/2014, 1/20/2015, 3/20/2015, 5/20/2015, 7/20/2015, 9/20/2015, 11/20/2015, 1/20/2016, 3/20/2016, 5/20/2016, 7/20/2016, 9/20/2016, 11/20/2016, 1/20/2017, 3/20/2017, 5/20/2017, 7/20/2017, 9/20/2017, 11/20/2017, 1/20/2018, 3/20/2018, 5/20/2018, 7/20/2018, 9/20/2018, 11/20/2018, 1/20/2019, 3/20/2019, 5/20/2019, 7/20/2019, 9/20/2019, 11/20/2019, 1/20/2020, 3/20/2020, 5/20/2020, 7/20/2020, 9/20/2020, 11/20/2020, 1/20/2021, 3/20/2021, 5/20/2021, 7/20/2021, 9/20/2021, 11/20/2021, 1/20/2022, 3/20/2022, 5/20/2022, 7/20/2022, 9/20/2022, 11/20/2022, 1/20/2023, 3/20/2023, 5/20/2023, 7/20/2023, 9/20/2023, 11/20/2023, 1/20/2024, 3/20/2024, 5/20/2024, 7/20/2024, 9/20/2024, 11/20/2024, 1/20/2025, 3/20/2025, 5/20/2025, 7/20/2025, 9/20/2025, 11/20/2025, 1/20/2026, 3/20/2026, 5/20/2026, 7/20/2026, 9/20/2026, 11/20/2026, 1/20/2027, 3/20/2027, 5/20/2027, 7/20/2027, 9/20/2027, 11/20/2027, 1/20/2028, 3/20/2028, 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BURLINGTON RESOURCES OIL & GAS COMPANY LP

TURNER A No. 100, 835 FNL 1615 FWL

SECTION 34, T-31-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

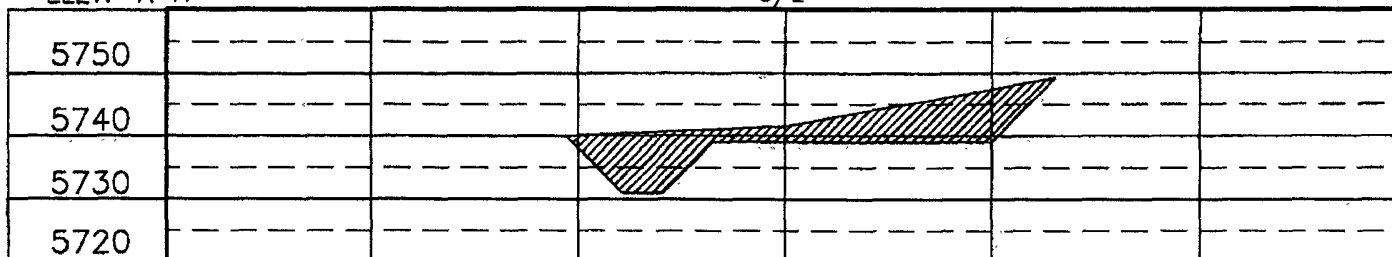
GROUND ELEVATION: 5739, DATE: OCTOBER 10, 2007

NAD 83
LAT. = 36.86038° N.
LONG. = 107.98205° W.

NAD 27
LAT. = 36°51.6223' N.
LONG. = 107°58.8859' W.

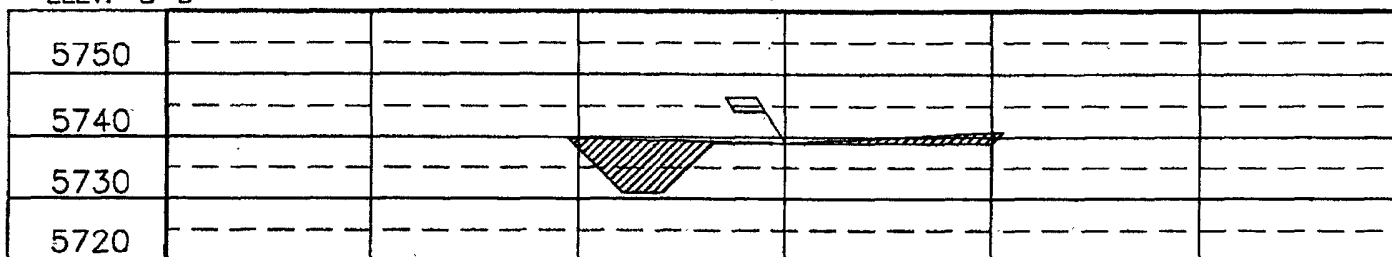
ELEV. A-A'

C/L



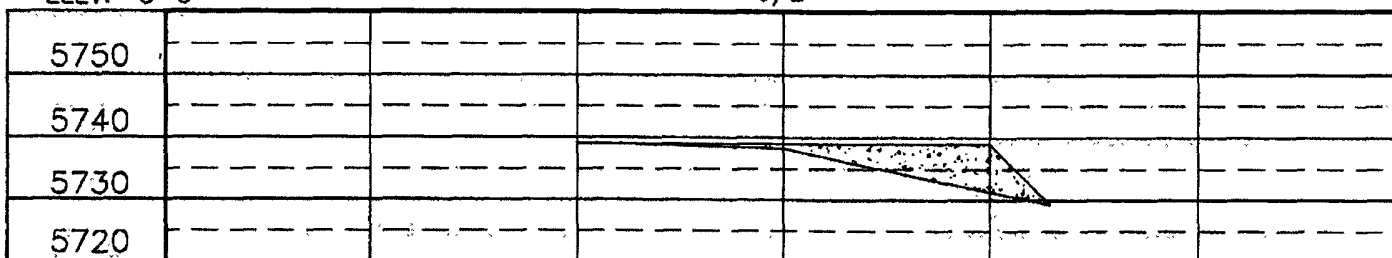
ELEV. B-B'

C/L



ELEV. C-C'

C/L



NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

REVISION:	DATE:	REVISION BY:
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 • Farmington, NM 87499 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: G.V.	CADFILE: BR691_CFB	
ROW#: BR691	DATE: 10/26/07	

BURLINGTON RESOURCES OIL & GAS COMPANY LP

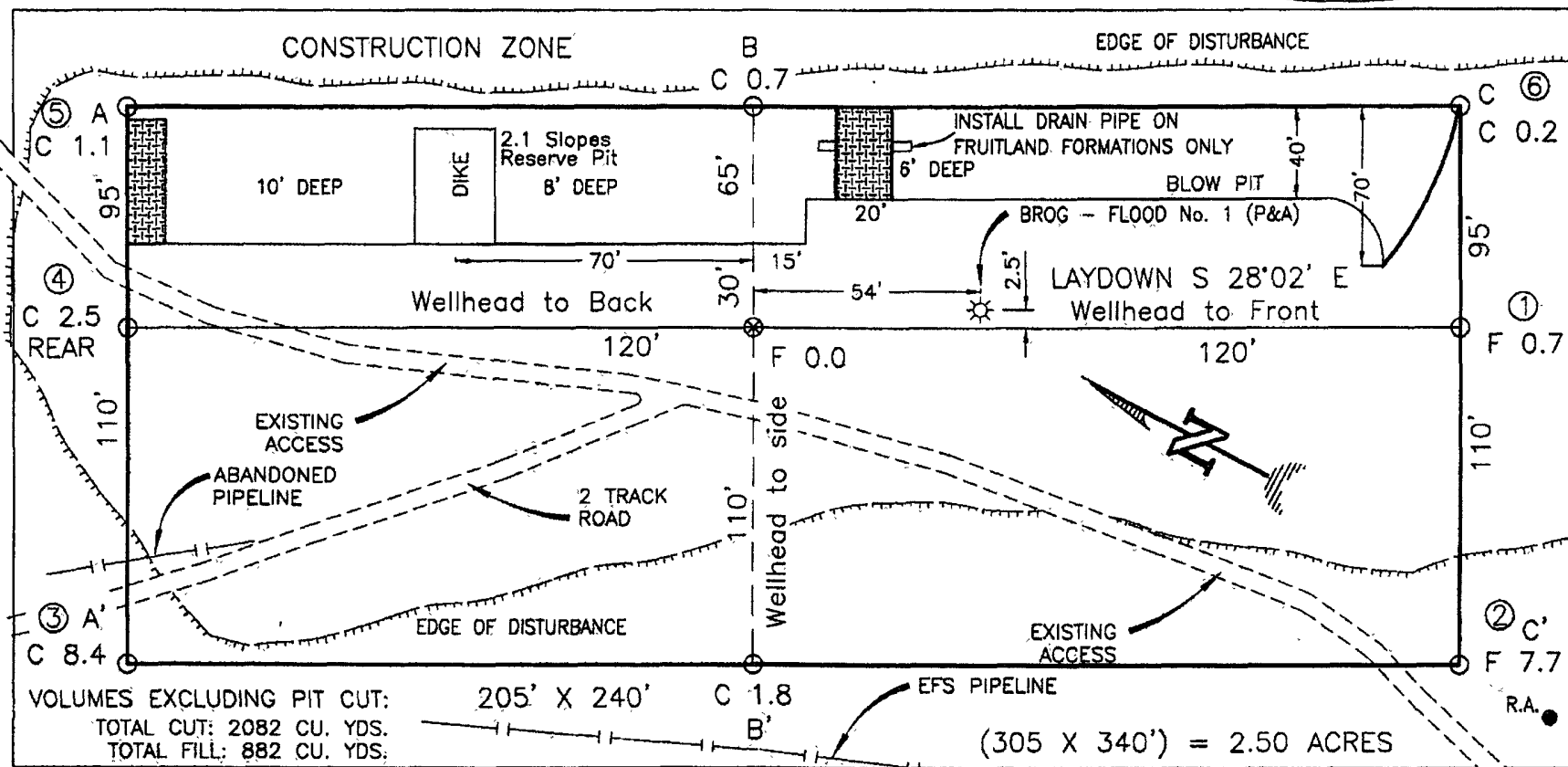
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SECTION 34, T-31-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

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NAD 83
LAT. = 36.86038° N.
LONG. = 107.98205° W.

NAD 27
LAT. = 36°51.6223' N.
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RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

REVISION:	DATE:	REVIEW BY:
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 • Farmington, NM 87499 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: G.V.	CADD: BR691_PLB	
ROW#: BR691	DATE: 10/30/07	

**Directions from the intersection of Hwy 516 and Ruins Road in Aztec, New Mexico,
to the**

Burlington Resources Oil & Gas Company, LP

Turner A #100 well location

**835' FNL 1615' FWL, Section 34, T31N R11W, NMPM, in San Juan County, New
Mexico**

From the intersection of Hwy 516 and Ruins Road in Aztec, NM (Lat. 36.82667° N,
Long. 108.00500° W):

Travel northeast, then north on Ruins Road 0.7 mi to Aztec Ruins National Monument
(Lat. 36.83417° N, Long. 108.00056° W).

Turn right on CR 2900 (still Ruins Road) and travel east, then northeasterly 2.5 mi (Lat.
36.86167° N, Long. 107.97861° W).

Turn left and travel northwest <0.1 mi (Lat. 36.86194° N, Long. 107.97917° W).

Take fork to left and travel southwesterly 0.2 mi to the Turner A #100 location at the
existing MOI Flood #1 P&A location (Lat. 36.86038° N, Long. 107.98205° W).