

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-078212 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 McCord 9. Well Number #1G	
4. Location of Well Unit F (SENW), 1840' FNL & 1810' FWL Latitude 36.815266 N Longitude 108.195495 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 15, T30N, R13W API # 30-045-34728	
14. Distance in Miles from Nearest Town 8 miles/Farmington	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1810'		
16. Acres in Lease 2081.200	17. Acres Assigned to Well 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1020' from McCord 102		
19. Proposed Depth 6499' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5711' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	<u>5-30-08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 4

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

JUN 30 2008

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045-34728	'Pool Code 71599	'Pool Name BASIN DAKOTA
'Property Code 7300	'Property Name McCord	'Well Number 1G
'OGRID No. 14538	'Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	'Elevation 5711'

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
F	15	30-N	13-W		1840'	NORTH	1810'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. F	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres DK 320 ACRES W 1/2			¹³ Joint or Infill		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

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <div style="display: flex; justify-content: space-between;"> 18 N 89° 28' 23" E 2840.017' </div> <div style="display: flex; align-items: center; justify-content: center; height: 100px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 20px; height: 100px; position: relative;"> 1840' </div> </div> <div style="display: flex; justify-content: space-between;"> E 02° 19' 00" S 2813.824' 1810' </div> </div> <div style="text-align: center; font-size: 2em; font-weight: bold; margin: 10px 0;">15</div> <div style="text-align: center; margin-top: 10px;"> LAT: 36°48.9157' N. LONG: 108°11.6919' W. NAD 1927 LAT: 36.816286° N. LONG: 108.195496° W. NAD 1983 </div> <div style="text-align: center; margin-top: 20px;"> USA SF-078212 </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> 17 <h3 style="text-align: center;">OPERATOR CERTIFICATION</h3> <p style="font-size: 0.8em;">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 a working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <div style="text-align: center; margin-top: 20px;"> _____ Signature </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Sasha Spangler 2-12-08 </div> <div style="text-align: center; margin-top: 10px;"> Printed Name </div> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> 18 <h3 style="text-align: center;">SURVEYOR CERTIFICATION</h3> <p style="font-size: 0.8em;">I hereby certify that the well location shown on this plot 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.</p> <div style="text-align: center; margin-top: 20px;"> <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 20px; height: 100px; position: relative;"> 1-7-2008 </div> <div style="margin-left: 10px;"> Date of Survey </div> </div> <div style="display: flex; justify-content: center; margin-top: 10px;"> <div style="text-align: center;"> _____ Signature and Seal of Professional Surveyor </div> <div style="margin-left: 20px; text-align: center;"> Certificate Number </div> </div> </div> </div>
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COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PDO7.KB

WELL NAME

MCCORD # 1 G

DATE

2/12/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

F 15

30 N

13 W

36 48.9157 N

108 11.6919 W

COUNTY

SAN JUAN

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

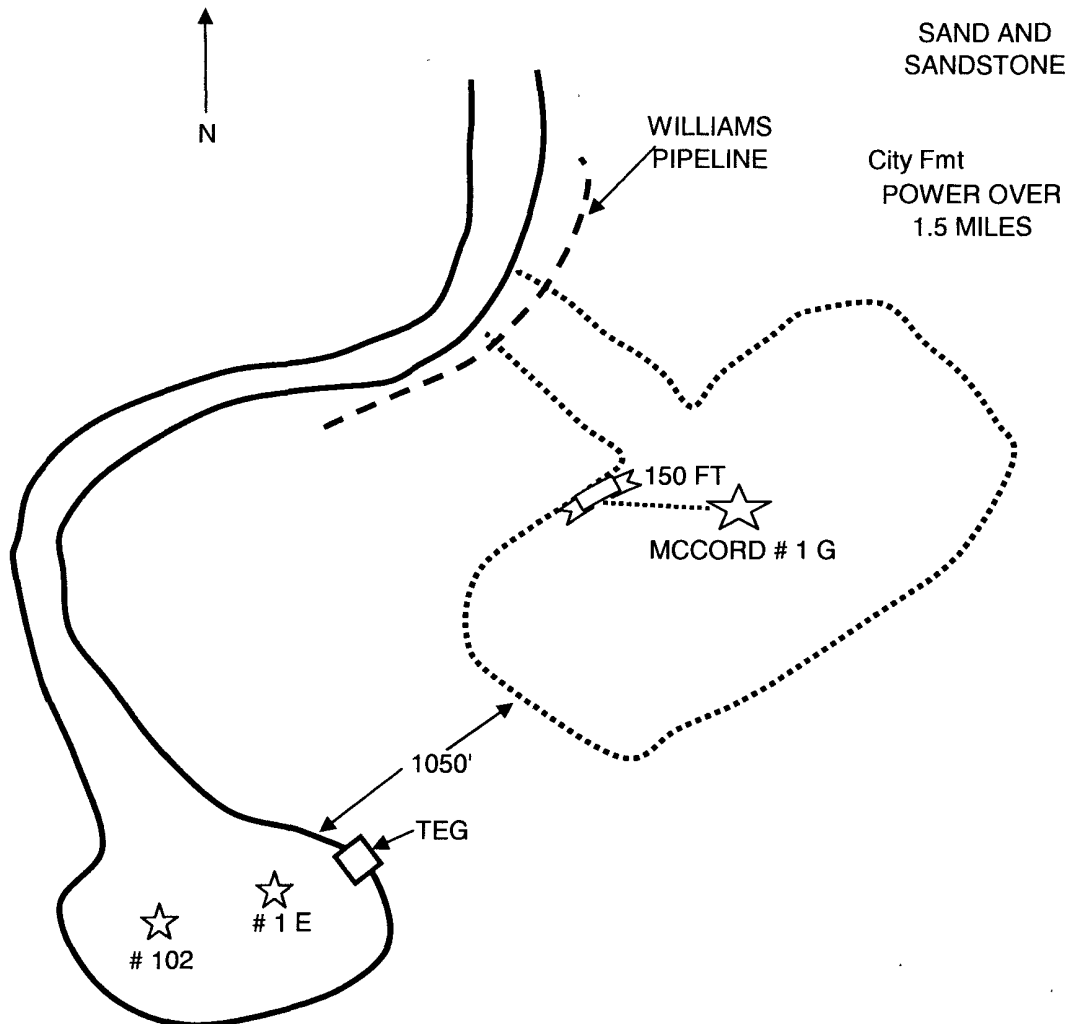
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
12--4	X			
	X			
# 8	200'			
			city Fmt	
			over 1 mile	

COMMENTS

install solar system - sand & sand stone

WELL NAME	MCCORD # 1 G
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TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED	EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE	
			FOREIGN PL		CONOCO PL	

Directions from the Intersection of North Main
and Pinion Hills Blvd. in Farmington, NM

To:

Burlington Resources Oil & Gas Company LP

MCCORD #1G

1840' FNL 1810' FWL

Section 15, T30N, R13W, N.M.P.M., San Juan County,
New Mexico

Go North (westerly) on Pinion Hills Blvd 4.0 miles,

To Glade Road (Choke Cherry Canyon),

Turn right (northerly) 2.6 miles,

Turn left (northwesterly) 1.2 miles,

Turn left (southwest) 0.3 miles,

to the beginning of new access on the left,

turn left 220° to newly staked location.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MCCORD 1G

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7435		AFE \$: 586,039.31	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead: Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.815264	Longitude: -108.194865	X:	Y:	Section: 15	Range: 013W
Footage X: 1810 FWL	Footage Y: 1840 FNL	Elevation: 5711	(FT)	Township: 030N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 5723 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
OJO ALAMO	231	5492	<input type="checkbox"/>		
Surface Casing	320	5403	<input type="checkbox"/>		
KIRTLAND	357	5366	<input type="checkbox"/>		
FRUITLAND	1379	4344	<input type="checkbox"/>		
PICTURED CLIFFS	1731	3992	<input type="checkbox"/>		
LEWIS	1892	3831	<input type="checkbox"/>		
HUERFANITO BENTONITE	2464	3259	<input type="checkbox"/>		
CHACRA	2758	2965	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	3330	2393	<input type="checkbox"/>		
MENEFEE	3412	2311	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	4076	1647	<input type="checkbox"/>		
MANCOS	4455	1268	<input type="checkbox"/>		
UPPER GALLUP	5399	324	<input type="checkbox"/>		
GREENHORN	6157	-434	<input type="checkbox"/>		
GRANEROS	6217	-494	<input type="checkbox"/>		
TWO WELLS	6271	-548	<input type="checkbox"/>	2100	Gas
LOWER CUBERO	6394	-671	<input type="checkbox"/>		
ENCINAL	6422	-699	<input type="checkbox"/>		
Total Depth	6499	-776	<input type="checkbox"/>		
					7 7/8" Hole, 4 1/2", 11.6 ppf, N-80, LTC casing. Cement with 1908 cu-ft. Circulate cement to surface. Bottom perf. 60' above TD.
MORRISON	6499	-776	<input type="checkbox"/>		
Reference Wells:					
Reference Type	Well Name		Comments		
Production	McCord 1E				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MCCORD 1G

DEVELOPMENT

Logging Program:

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

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

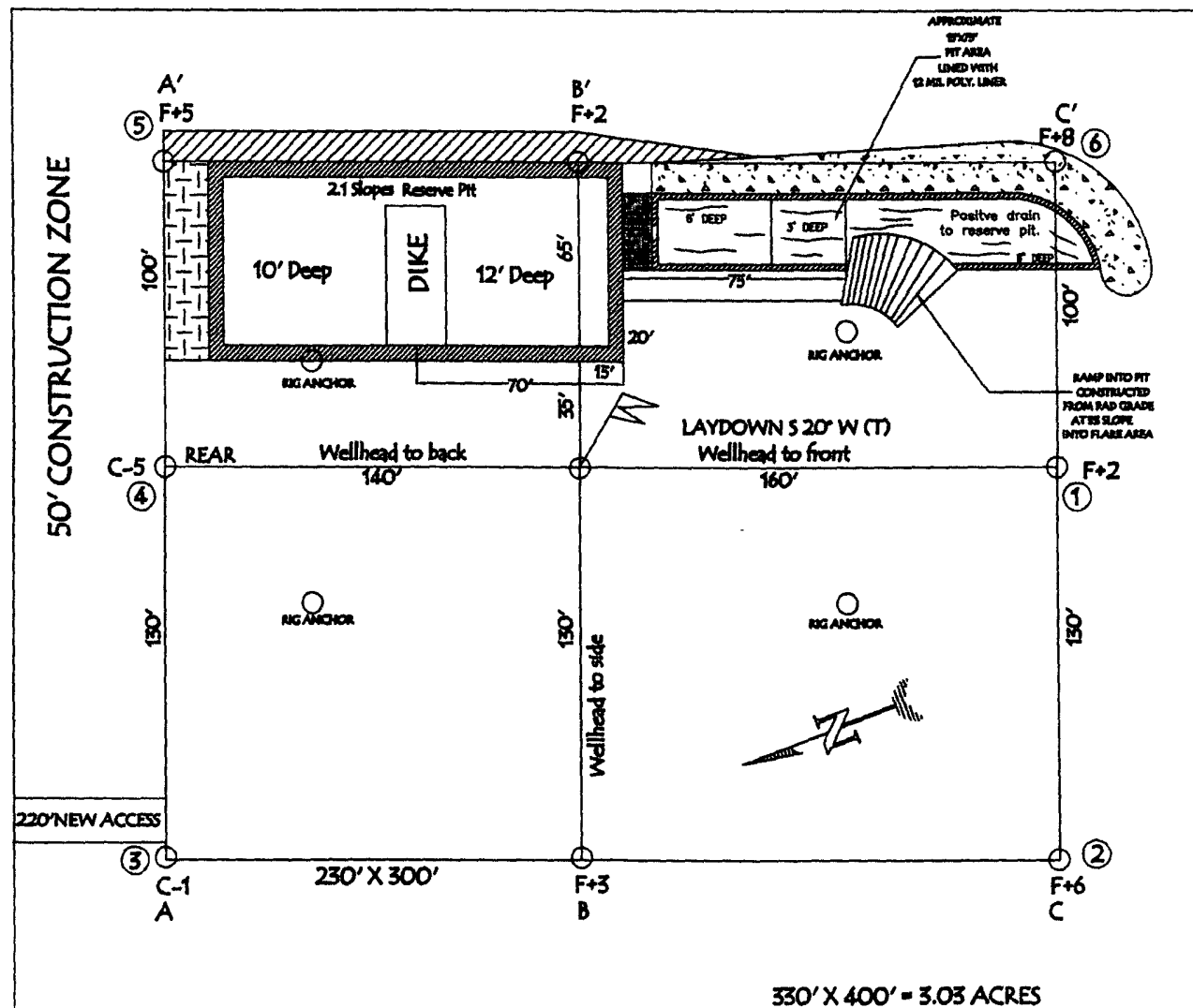
GR_CBL. Mudlogger begin 100' above Greenhorn. Mudlogger call TD. TD at top of Morrison. Bott perf 60' above TD. Bott perf based on drilling down to top of Morrison. Burron Canyon possibly not present.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL & GAS COMPANY LP
McCORD #1G, 1840' FNL & 1810' FWL
SECTION 15, T-30- N, R-13-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 5711', DATE: DEC 4,2007

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE 4' ABOVE BOTTOM OF BLOW PIT.

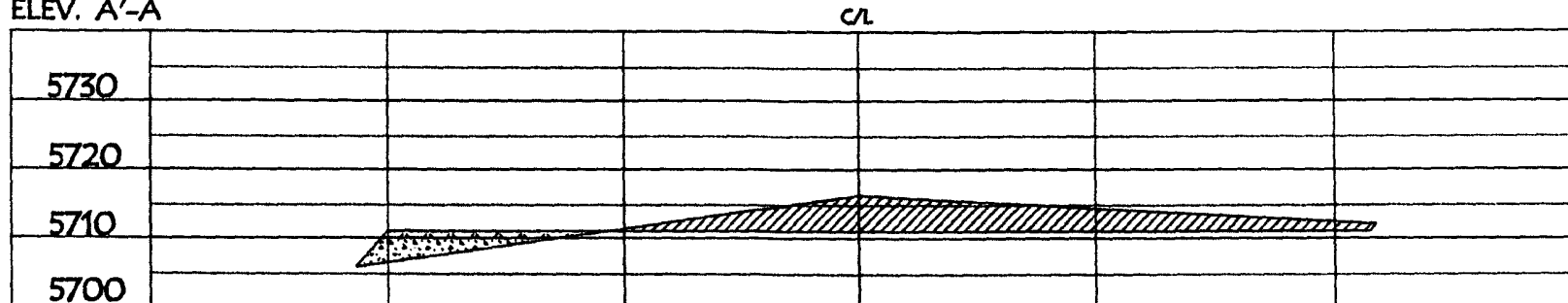


NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

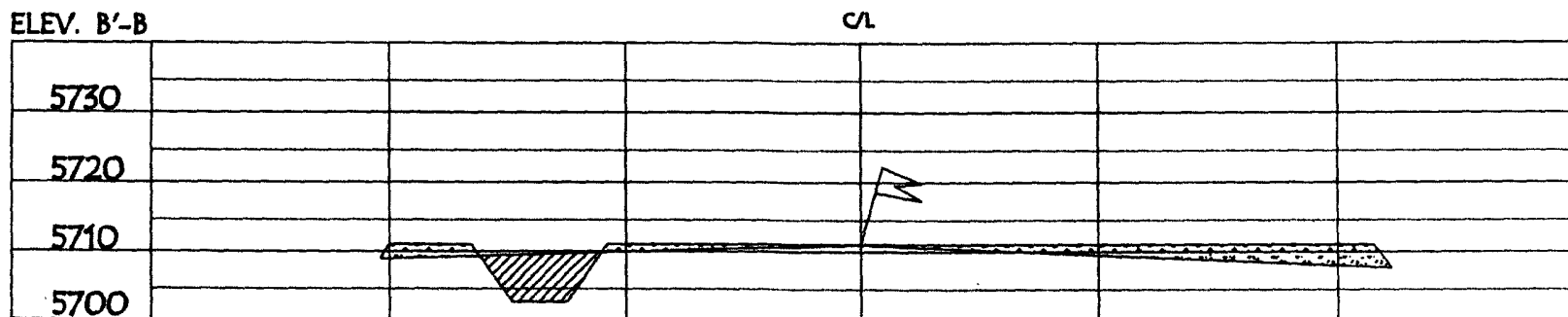
LAT: 36° 48.9157' N LONG: 108° 11.6919' W NAD27

BURLINGTON RESOURCES OIL & GAS COMPANY LP
MCCORD 1G, 1840' FNL & 1810' FWL
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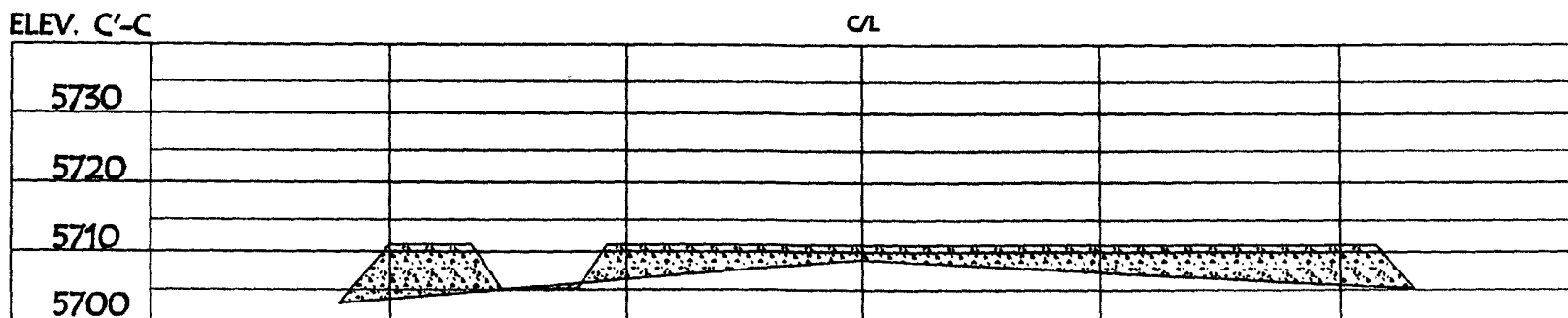
ELEV. A'-A



ELEV. B'-B



ELEV. C'-C



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