

Well Config: VERTICAL - ORIGINAL HOLE. 3/13/2012 9:32:55 AM



API 05-123-12870		Business Unit WATTENBERG		Spud Date 1/2/1986		Well Configuration Type VERTICAL	
Orig KB Elev (ft) 4,675.00		KB - GL / ... 10	Quarter Quarter SESW	Sec/Abs 22	Twn/Sur... 4N	Range 64W	P & A Date
Comment WELL FILE MINIMAL & SKETCHY; FRAC'D INTO 2/03 BY 22-15							
Directions To Well RD 42 & RD 55. NORTH 3/10. EAST 4/10. SOUTH 1/10 INTO.							
Current PBTD (ftKB) ORIGINAL HOLE - 6934.0							
<b>Bottom Hole Location</b>							
North-South Distance (ft)		From N or S Line		East-West Distance (ft)		From E or W Line	
<b>PBTDs</b>							
Date		Depth (ftKB)	Method		Comment		
1/7/1986		6,915.0	CASED HOLE LOG		DEPTH-LOGGER/CBL		
1/7/1986		6,936.0	CASING TALLY		FLOAT COLLAR		
<b>Wellbore Sections</b>							
Section		Size (in)		Act Top (ftKB)		Act Btm (ftKB)	
SURFACE		12 1/4		10.0		424.0	
PRODUCTION		7 7/8		424.0		6,974.0	
<b>Zone Statuses</b>							
Zone		Status Date	Status	Job			
CODELL		3/10/1986	PR	DRILLING/COMPLETION - ORIGI...			
NIOBRARA		11/10/2011	PR	RECOMPLETION, 10/18/2011 09:00			
NIOBRARA		11/23/2011	PR	RECOMPLETION, 10/18/2011 09:00			
CODELL		11/23/2011	PR	RECOMPLETION, 10/18/2011 09:00			
<b>Casing Strings</b>							
Casing Description		Run Date	String OD (in)	String Wt (lbs/ft)	String Grade	Top (ftKB)	Set Depth (ftKB)
Surface Casing		1/2/1986	8 5/8	24.00	?	10.0	424.0
Production		1/7/1986	4 1/2	10.50	J-55	10.0	6,945.0
<b>Cement</b>							
Description				Top (ftKB)		Btm (ftKB)	
SURFACE CASING CEMENT				10.0		424.0	
PRODUCTION CASING CEMENT				5,840.0		6,945.0	
<b>Tubing Components</b>							
Item Description		OD (in)	Wt (lbs/ft)	Grade	Jts	Len (ft)	
Tubing		2 3/8	4.70	J-55	219	6,774.43	
Pump Seating Nipple		2 3/8	4.70	J-55	1	1.10	
Notched collar		2 3/8	4.70	J-55	1	0.55	
<b>Perforation Data</b>							
Zone		Bnch/Stg	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date	
NIOBRARA, ORIGI...		A	24	6,569.0	6,581.0	10/19/2011	
NIOBRARA, ORIGI...		B	24	6,639.0	6,651.0	10/19/2011	
CODELL, ORIGINA...			13	6,826.0	6,840.0	1/31/1986	
<b>Stimulations &amp; Treatments</b>							
Bnch/...	Date	Zone		Primary Job Type			
	2/17/1986	CODELL, ORIGINAL HOLE		DRILLING/COMPLETION - ORIGINAL			
Comment FRAC INFO FROM CMLPTN RPT TO COGCC; DELIVERY MODE OF FRAC UNKNOWN							
Total Add Amount Proppant 124000 lb; Proppant 100 Mesh 8000 lb			V (pumped) (gal)		V (slurry) (gal)		V (gas) (mcf)
					96848		
Avg Treat Pressure (psi)		Max Treat Pressure (psi)		Avg Treat Rate (bbl/min)		Max Treat Rate (bbl/min)	

Well Name: **DARLENE DINNEL 01**

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## Stimulations & Treatments

Bnch/...	Date	Zone	Primary Job Type
AB	11/7/2011	NIOBRARA, ORIGINAL HOLE	RECOMPLETION
<p>Comment</p> <p>(FRAC NIO AB RC)</p> <p>OPEN WELL WITH 401 PSI, BACKSIDE WITH 226 PSI, FORMATION BREAK 4495 PSI @ 1.9 BPM, SHUTDOWN AND LET ACID SOAK IN FOR 5 MIN, SHUTDOWN ISIP=3363 PSI, 5 MIN= 3033 PSI, DURING BEGINING OF TREATMENT BACKSIDE PRESSURE WAS COMING UP TO 500 PSI HAVING TO BLEED PRESSURE OFF ABOUT ONCE A MINUTE, SHUTDOWN AND CALL JASON, HE RECOMMENDED TO TRY USING GEL TO SEAL LEAK, PUMPED 90 BBL OF LINEAR GEL WITH A POSSITIVE RESULT, PRESSURE ON CASING WAS HOLDING STEADY @ 132 PSI THEREAFTER. FRAC PUMPS KICKED OUT DURING SLICKWATER PAD. DURING 3 PSA HOPPER DROPPED WHILE SWITCHING SAND COMPARMENTS. DURING 4 PSA A FRAC PUMP STARTED TO LEAK OIL FROM ENGINE, TOOK PUMP OFF LINE. POST-TREATMENT ISIP=3627 PSI, 5 MIN= 3318 PSI, TREATMENT AVGS: VISC= 17.96 CP, PH= 10.37, TEMP=66.9 F, PRESS=6836 PSI, RATE=25.58 BPM, MAXIMUM: PRESS=7404 PSI, RATE=28.2 BPM. JOB WENT WELL WITH NO ISSUES TO REPORT.</p>			

Total Add Amount	V (pumped) (gal)	V (slurry) (gal)	V (gas) (mcf)
Ottawa 253243.1 lb	151550	163065	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
6,836.0	7,407.0	25.58	28.22

## Other In Hole

Run Date	Description	OD (in)	Top (ftKB)	Btm (ftKB)

## Logs

Date	Type	Top (ftKB)	Btm (ftKB)
1/7/1986	COMPENSATED DENSITY	6,494.0	6,972.0
1/7/1986	INDUCTION	427.0	6,968.0
1/14/1986	CEMENT BOND	5,747.0	6,909.0

