

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5952

Name: BP AMERICA PRODUCTION COMPANY

Address P. O. BOX 3092, WL1-RM 3.201

City/State/Zip HOUSTON, TX 77253-3092

Purchaser: _____

Operator Contact Person: SUE SELLERS

Phone (281) 366-2052

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD SIOW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

8/19/02 8/20/02 10/15/02
Spud Date Date Reached TD Completion Date

API No. 15- 093-21711-0000

County KEARNY

_____ C _____ NE Sec. 26 Twp. 23S Rge. 36W E

1370 N Feet from S (circle one) Line of Section

1320 E Feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name THORPE D Well # 2HI

Producing Formation CHASE

Elevation: Ground 3158' KB 3165'

Total Depth 2950' PBTB 2949'

Amount of Surface Pipe Set and Cemented at 850 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) alt I KGR 1/18/08

Chloride content 7300 ppm Fluid volume 700 bbls

Dewatering method used DRIED AND FILLED

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rge. _____ EW

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Sue Sellers

Title STAFF ASSISTANT Date 11/25/02

Subscribed and sworn to before me this 25TH day of NOVEMBER

20 02

Notary Public Helen K. Zapalac

Date Commission Expires MAY 26, 2006



K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Attached	
C	Wireline Log Received	
C	Drillers Timelog Received	
Distribution		
_____	KCC	_____ SWD/Rep
_____	KGS	_____ Plug
_____	_____	_____ NGPA
_____ Other (Specify)		

Operator Name BP AMERICA PRODUCTION COMPANY

Lease Name THORPE D

Well # 2HI

Sec. 26 Twp. 23S Rge. 36W

East

West

County KEARNY

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) Yes No

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E. Logs Run:

COMPENSATED SPECTRAL NATURAL GAMMA

Log Formation (Top), Depth and Datums Sample

Name Top Datum

CHASE 2550' KB

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
<u>SURFACE</u>	<u>12 1/4"</u>	<u>8 5/8"</u>	<u>24#</u>	<u>850'</u>	<u>LP3/'C'</u>	<u>245</u>	<u>2%OC;1/4#FLOC</u>
					<u>LP3/'C'</u>	<u>150</u>	<u>2%OC;1/4#FLOC</u>
<u>PRODUCTION</u>	<u>7 7/8"</u>	<u>4 1/2"</u>	<u>10.5#</u>	<u>2950'</u>	<u>LP3/'C'</u>	<u>460</u>	<u>1/4# FLOCELE</u>

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
<u>2</u>	<u>2550-2560', 2576-2586'</u>	<u>FRAC - W/100,000# 16/30 BRADY SAND</u>	<u>& 382 BELLS. 80Q FOAM</u>	<u>2550-2586</u>

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2601'</u>	Packer At <u>NA</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. <u>10/15/02</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>115</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio	Gravity
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Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perforation Dually Comp. Commingled
 Other (Specify)

Customer BP AMERICA PRODUCTION COMPANY						Job Number 2205440555								
Well THORPE D 2H1			Location (legal)			Schlumberger Location Ulysses, KS			Job Start 2002-Aug-19					
Field		Formation Name/Type		Deviation 0		Bit Size 12.3 in		Well MD 850 ft		Well TVD 850 ft				
County KEARNY		State/Province KANSAS		BHP psi		BHST °F		BHCT °F		Pore Press. Gradient psi/ft				
Well Master: 0630436296		API / UWI:		Casing/Liner										
Rig Name Cheyenne Rig 11		Drilled For Oil & Gas		Service Via		Depth, ft 852		Size, in 8.63		Weight, lb/ft 24				
Offshore Zone		Well Class New		Well Type Development		Grade K55		Thread 8RD						
Drilling Fluid Type			Max. Density 9.4 lb/gal		Plastic Vh cp 37		Tubing/Drill Pipe							
Service Line Cementing			Job Type Cem Surface Casing		Perforations/Open Hole									
Max. Allowed Tubing Pressure 1000 psi		Max. Allowed Ann. Pressure 1000 psi		Wellhead Connection 8 5/8 HEAD		Top, ft		Bottom, ft		apf				
Service Instructions Safety Cement Surface Casing per customers request.						No. of Shots		Total Interval		R				
<p>RECEIVED</p> <p>DEC 02 2002</p> <p>KCC WICHITA</p>						Diameter		in						
						Treat Down Casing		Displacement 50.7 bbl		Packer Type		Packer Depth		R
						Tubing Vol. bbl		Casing Vol. 53.4 bbl		Annular Vol. bbl		Open Hole Vol. bbl		
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>				Gasing Tools		Squeeze Job				
Lift Pressure: 262 psi				Pipe Rotated <input type="checkbox"/>				Pipe Recirculated <input type="checkbox"/>		Shoe Type: TEXAS				
No. Centralizers: 6				Top Plugs: 1		Bottom Plugs:		Shoe Depth: 850 ft		Squeeze Type				
Cement Head Type: NONE				Arrived on Location: 2002-Aug-19 19:30		Leave Location: 2002-Aug-20 0:30		Stage Tool Type:		Tool Type:				
Job Scheduled For:				Stage Tool Depth: ft		Collar Type: Auto-Fill		Tail Pipe Size: in		Tool Depth: ft				
				Collar Depth: 808 ft		Tail Pipe Depth: ft		Sqz Total Vol: bbl						
Date	Time	Testing Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message					
2002-Aug-19	22:48	-19	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:48	-19	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:48								Pressure Test Lines					
2002-Aug-19	22:48								Pressure Test Lines					
2002-Aug-19	22:48	-15	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:48	-15	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:49	-19	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:49	-19	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:49	-15	0.0	8.29	0.0	0	0	0						
2002-Aug-18	22:49	-15	0.0	8.29	0.0	0	0	0						
2002-Aug-19	22:50	1354	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:50	1354	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:51								Bleed Off Pressure					
2002-Aug-19	22:51								Bleed Off Pressure					
2002-Aug-19	22:51	13	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:51	13	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:51	8	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:51								Reset Total, Vol = 0.40 bbl					
2002-Aug-19	22:51								Reset Total, Vol = 0.40 bbl					
2002-Aug-19	22:51	8	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:51	13	0.0	8.28	0.4	0	0	0						
2002-Aug-19	22:51								Reset Total, Vol = 0.00 bbl					

Well		Job				Service Date		Customer		RODUCTION COMPANY		Job Number	
THORPE D #24-I						02251-Aug-19		BP AMER				2205440555	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	0	0	Message		
	24 hr clock	psi	bbbl/min	(lb/gal)	bbbl	0	0	0	0	0			
2002-Aug-19	22:51										Reset Total, Vol = 0.00 bbl		
2002-Aug-19	22:51	13	0.0	8.28	0.4	0	0	0	0	0			
2002-Aug-19	22:51	13	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:51	13	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:51	13	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:51	13	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:51										Reset Total, Vol = 0.00 bbl		
2002-Aug-19	22:51										Reset Total, Vol = 0.00 bbl		
2002-Aug-19	22:52	-15	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:52	-15	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:53	-19	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:53	-19	0.0	8.28	0.0	0	0	0	0	0			
2002-Aug-19	22:53	40	3.0	8.30	0.1	0	0	0	0	0			
2002-Aug-19	22:53	40	3.0	8.30	0.1	0	0	0	0	0			
2002-Aug-19	22:53										Start Pumping Spacer		
2002-Aug-19	22:53										Start Pumping Spacer		
2002-Aug-19	22:54	91	5.8	8.28	3.7	0	0	0	0	0			
2002-Aug-19	22:54	91	5.8	8.28	3.7	0	0	0	0	0			
2002-Aug-19	22:54	146	5.8	8.29	8.5	0	0	0	0	0			
2002-Aug-19	22:54	146	5.8	8.29	8.5	0	0	0	0	0			
2002-Aug-19	22:55	141	5.9	8.30	13.4	0	0	0	0	0			
2002-Aug-19	22:55	141	5.9	8.30	13.4	0	0	0	0	0			
2002-Aug-19	22:56	118	5.9	8.30	15.2	0	0	0	0	0			
2002-Aug-19	22:56	118	5.9	8.30	15.2	0	0	0	0	0			
2002-Aug-19	22:56										Start Mixing Lead Slurry		
2002-Aug-19	22:56										Start Mixing Lead Slurry		
2002-Aug-19	22:56	123	5.9	8.31	15.4	0	0	0	0	0			
2002-Aug-19	22:56										Reset Total, Vol = 15.36 bbl		
2002-Aug-19	22:56										Reset Total, Vol = 15.36 bbl		
2002-Aug-19	22:56	123	5.9	8.31	15.4	0	0	0	0	0			
2002-Aug-19	22:56	114	5.9	8.39	0.3	0	0	0	0	0			
2002-Aug-19	22:56	114	5.9	8.39	0.3	0	0	0	0	0			
2002-Aug-19	22:56										End Spacer		
2002-Aug-19	22:56										End Spacer		
2002-Aug-19	22:56										End Lead Slurry		
2002-Aug-19	22:56	141	5.9	8.54	0.5	0	0	0	0	0			
2002-Aug-19	22:56										Start Mixing Lead Slurry		
2002-Aug-19	22:56										End Lead Slurry		
2002-Aug-19	22:56	141	5.9	8.54	0.5	0	0	0	0	0			
2002-Aug-19	22:56										Start Mixing Lead Slurry		
2002-Aug-19	22:56	150	5.9	8.74	0.7	0	0	0	0	0			
2002-Aug-19	22:56	150	5.9	8.74	0.7	0	0	0	0	0			
2002-Aug-19	22:56										Reset Total, Vol = 0.69 bbl		
2002-Aug-19	22:56										Reset Total, Vol = 0.69 bbl		
2002-Aug-19	22:56	150	6.0	10.23	2.3	0	0	0	0	0			
2002-Aug-19	22:56	150	6.0	10.23	2.3	0	0	0	0	0			
2002-Aug-19	22:57	164	6.0	11.43	7.3	0	0	0	0	0			
2002-Aug-19	22:57	164	6.0	11.43	7.3	0	0	0	0	0			
2002-Aug-19	22:58	173	6.0	12.11	12.3	0	0	0	0	0			
2002-Aug-19	22:58	173	6.0	12.11	12.3	0	0	0	0	0			
2002-Aug-19	22:58	173	6.1	12.50	17.3	0	0	0	0	0			
2002-Aug-19	22:58	173	6.1	12.50	17.3	0	0	0	0	0			
2002-Aug-19	22:59	150	6.1	11.89	22.4	0	0	0	0	0			
2002-Aug-19	22:59	150	6.1	11.89	22.4	0	0	0	0	0			

ORIGINAL

RECEIVED
 AUG 22 2002
 HCS

Well		Field		Service Date		Customer		Job Number	
THORPE D #2H1				02/31-Aug-19		BP AME1 PRODUCTION COMPANY		2205440555	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	ORIGINAL
2002-Aug-19	23:00	168	6.1	12.66	27.5	0	0	0	
2002-Aug-19	23:00	168	6.1	12.66	27.5	0	0	0	
2002-Aug-19	23:01	164	6.2	12.54	32.6	0	0	0	
2002-Aug-19	23:01	164	6.2	12.54	32.6	0	0	0	
2002-Aug-19	23:02	173	6.2	12.54	37.8	0	0	0	
2002-Aug-19	23:02	173	6.2	12.54	37.8	0	0	0	
2002-Aug-19	23:03	168	6.3	12.40	43.0	0	0	0	
2002-Aug-19	23:03	168	6.3	12.40	43.0	0	0	0	
2002-Aug-19	23:04	173	6.3	12.61	48.3	0	0	0	
2002-Aug-19	23:04	173	6.3	12.61	48.3	0	0	0	
2002-Aug-19	23:04	168	6.3	12.52	53.6	0	0	0	
2002-Aug-19	23:04	168	6.3	12.52	53.6	0	0	0	
2002-Aug-19	23:05	146	5.5	12.14	58.2	0	0	0	
2002-Aug-19	23:05	146	5.5	12.14	58.2	0	0	0	
2002-Aug-19	23:06	187	6.4	12.50	63.0	0	0	0	
2002-Aug-19	23:06	187	6.4	12.50	63.0	0	0	0	
2002-Aug-19	23:07	173	6.4	12.37	68.3	0	0	0	
2002-Aug-19	23:07	173	6.4	12.37	68.3	0	0	0	
2002-Aug-19	23:08	182	6.4	12.88	73.6	0	0	0	
2002-Aug-19	23:08	182	6.4	12.88	73.6	0	0	0	
2002-Aug-19	23:09	182	6.4	13.04	78.9	0	0	0	
2002-Aug-19	23:09	182	6.4	13.04	78.9	0	0	0	
2002-Aug-19	23:09	265	6.4	14.27	84.2	0	0	0	
2002-Aug-19	23:09	265	6.4	14.27	84.2	0	0	0	
2002-Aug-19	23:10	246	6.3	14.40	89.5	0	0	0	
2002-Aug-19	23:10	246	6.3	14.40	89.5	0	0	0	
2002-Aug-19	23:10								Start Mixing Tail Slurry
2002-Aug-19	23:10								Start Mixing Tail Slurry
2002-Aug-19	23:10	242	6.3	14.43	89.6	0	0	0	
2002-Aug-19	23:10	242	6.3	14.43	89.6	0	0	0	
2002-Aug-19	23:10	246	6.3	14.49	89.8	0	0	0	
2002-Aug-19	23:10	246	6.3	14.49	89.8	0	0	0	
2002-Aug-19	23:10								Reset Total, Vol = 89.81 bbl
2002-Aug-19	23:10								Reset Total, Vol = 89.81 bbl
2002-Aug-19	23:11	237	6.3	14.40	5.0	0	0	0	
2002-Aug-19	23:11	237	6.3	14.40	5.0	0	0	0	
2002-Aug-19	23:12	255	6.4	14.94	10.3	0	0	0	
2002-Aug-19	23:12	255	6.4	14.94	10.3	0	0	0	
2002-Aug-19	23:13	233	6.4	14.49	15.6	0	0	0	
2002-Aug-19	23:13	233	6.4	14.49	15.6	0	0	0	
2002-Aug-19	23:14	200	5.8	14.29	20.5	0	0	0	
2002-Aug-19	23:14	200	5.8	14.29	20.5	0	0	0	
2002-Aug-19	23:14	214	5.7	15.01	25.2	0	0	0	
2002-Aug-19	23:14	214	5.7	15.01	25.2	0	0	0	
2002-Aug-19	23:15	187	5.7	14.30	30.0	0	0	0	
2002-Aug-19	23:15	187	5.7	14.30	30.0	0	0	0	
2002-Aug-19	23:16	187	5.7	14.34	34.8	0	0	0	
2002-Aug-19	23:16	187	5.7	14.34	34.8	0	0	0	
2002-Aug-19	23:17	-5	0.0	13.86	36.8	0	0	0	
2002-Aug-19	23:17	-5	0.0	13.86	36.8	0	0	0	
2002-Aug-19	23:18	-5	0.0	13.86	36.8	0	0	0	
2002-Aug-19	23:18	-5	0.0	13.86	36.8	0	0	0	
2002-Aug-19	23:19	-5	0.0	13.86	36.8	0	0	0	
2002-Aug-19	23:19	-5	0.0	13.86	36.8	0	0	0	

Well		Field				Service Date		Customer		Job Number	
THORPE D #241						02231-Aug-19		BP AMERICA PRODUCTION COMPANY		2205440555	
Date	Time	Treating Pressure	Flow Rate	Density	Volume				Message		
	24 hr clock	psi	bbbl/min	lb/gal	bbl	0	0	0	ORIGINAL		
2002-Aug-19	23:19	-5	0.0	12.98	36.8	0	0	0			
2002-Aug-19	23:19	-5	0.0	12.98	36.8	0	0	0			
2002-Aug-19	23:20	-5	0.0	12.79	36.8	0	0	0			
2002-Aug-19	23:20	-5	0.0	12.79	36.8	0	0	0			
2002-Aug-19	23:21	-1	0.0	12.58	36.8	0	0	0			
2002-Aug-19	23:21	-1	0.0	12.58	36.8	0	0	0			
2002-Aug-19	23:22	-1	0.0	12.12	36.8	0	0	0			
2002-Aug-19	23:22	-1	0.0	12.12	36.8	0	0	0			
2002-Aug-19	23:23	-5	0.0	11.97	36.8	0	0	0			
2002-Aug-19	23:23	-5	0.0	11.97	36.8	0	0	0			
2002-Aug-19	23:24	-1	0.0	11.92	36.8	0	0	0			
2002-Aug-19	23:24	-1	0.0	11.92	36.8	0	0	0			
2002-Aug-19	23:24	-1	0.0	11.89	36.8	0	0	0			
2002-Aug-19	23:24	-1	0.0	11.89	36.8	0	0	0			
2002-Aug-19	23:25	-1	0.0	11.86	36.8	0	0	0			
2002-Aug-19	23:25	-1	0.0	11.86	36.8	0	0	0			
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26										End Tail Slurry
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26										End Tail Slurry
2002-Aug-19	23:26										Drop Top Plug
2002-Aug-19	23:26										Drop Top Plug
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26										Start Displacement
2002-Aug-19	23:26										Start Displacement
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26										Reset Total, Vol = 36.80 bbl
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26	-1	0.0	11.85	36.8	0	0	0			
2002-Aug-19	23:26										Reset Total, Vol = 36.80 bbl
2002-Aug-19	23:27	141	6.0	11.49	1.8	0	0	0			
2002-Aug-19	23:27	141	6.0	11.49	1.8	0	0	0			
2002-Aug-19	23:28	81	6.0	8.39	6.8	0	0	0			
2002-Aug-19	23:28	81	6.0	8.39	6.8	0	0	0			
2002-Aug-19	23:29	100	5.9	9.05	11.7	0	0	0			
2002-Aug-19	23:29	100	5.9	9.05	11.7	0	0	0			
2002-Aug-19	23:29	114	6.0	8.34	16.7	0	0	0			
2002-Aug-19	23:29	114	6.0	8.34	16.7	0	0	0			
2002-Aug-19	23:30	136	6.0	8.48	21.6	0	0	0			
2002-Aug-19	23:30	136	6.0	8.48	21.6	0	0	0			
2002-Aug-19	23:31	159	5.9	8.32	26.6	0	0	0			
2002-Aug-19	23:31	159	5.9	8.32	26.6	0	0	0			
2002-Aug-19	23:32	178	6.0	8.34	31.5	0	0	0			
2002-Aug-19	23:32	178	6.0	8.34	31.5	0	0	0			
2002-Aug-19	23:33	210	6.0	8.31	36.5	0	0	0			
2002-Aug-19	23:33	210	6.0	8.31	36.5	0	0	0			
2002-Aug-19	23:34	196	4.5	8.31	41.3	0	0	0			
2002-Aug-19	23:34	196	4.5	8.31	41.3	0	0	0			
2002-Aug-19	23:34	178	2.9	8.31	43.8	0	0	0			
2002-Aug-19	23:34	178	2.9	8.31	43.8	0	0	0			

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Well		Field				Service Date		Customer		Job Number
THORPE D #2H1						02231-Aug-19		BP AME, PRODUCTION COMPANY		2205440555
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbbl/min	lb/gal	bbl	0	0	0	ORIGINAL	
2002-Aug-19	23:35	178	2.3	8.31	46.2	0	0	0		
2002-Aug-19	23:35	178	2.3	8.31	46.2	0	0	0		
2002-Aug-19	23:36	196	2.3	8.31	48.1	0	0	0		
2002-Aug-19	23:36	196	2.3	8.31	48.1	0	0	0		
2002-Aug-19	23:37	205	2.3	8.31	50.1	0	0	0		
2002-Aug-19	23:37	205	2.3	8.31	50.1	0	0	0		
2002-Aug-19	23:38	228	2.8	8.31	51.1	0	0	0		
2002-Aug-19	23:38	228	2.8	8.31	51.1	0	0	0		
2002-Aug-19	23:39	164	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:39	164	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:39	-19	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:39	-19	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:40	-19	0.0	8.32	52.6	0	0	0		
2002-Aug-19	23:40	-19	0.0	8.32	52.6	0	0	0		
2002-Aug-19	23:41	-15	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:41	-15	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:42	-19	0.0	8.31	52.8	0	0	0		
2002-Aug-19	23:42	-19	0.0	8.31	52.6	0	0	0		
2002-Aug-19	23:43	-19	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:43	-19	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:44	-19	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:44	-19	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:44								End Displacement	
2002-Aug-19	23:44	-19	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:44	-19	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:44								End Displacement	
2002-Aug-19	23:44								Stop Pumping	
2002-Aug-19	23:44								Stop Pumping	
2002-Aug-19	23:44	-15	0.0	8.30	52.6	0	0	0		
2002-Aug-19	23:44	-15	0.0	8.30	52.6	0	0	0		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.5			6.9	128		10		
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum	Final	Average	Bump Plug to Breakdown	Volume	Density			
240	240	174	0		bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	50 bbl		
%	128 bbl	50.7 bbl	70 °F	<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed
<i>Dan Dear</i> R. Dear, Dan			<i>[Signature]</i>		Strano, Douglas			

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Cementing Service Report

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Customer BP AMERICA PRODUCTION COMPANY						Job Number 2205440554					
Well THORPE D 2HI			Location (legal) Ulysses, KS			Schlumberger Location Ulysses, KS			Job Start 2002-Aug-21		
Field		Formation Name/Type		Deviation		Bit Size in		Well MD 2,950 ft		Well TVD 2,950 ft	
County KEARNY		State/Province KANSAS		BHP psi		BHST °F		BHCT °F		Pore Press. Gradient psi/ft	
Well Master: 0630436296		API / UWI		Casing/Liner							
Rig Name Cheyenne Rig 11		Drilled For Oil & Gas		Service Via		Depth, ft 820		Size, in 8.63		Weight, lb/ft 24	
Offshore Zone		Well Class New		Well Type Development		Grade K55		Thread 8RD			
Drilling Fluid Type Other		Max. Density 9.4 lb/gal		Plastic Vt 37 cp		Depth		Size, in		Weight, lb/ft	
Service Line Cementing		Job Type Cem Prod Casing		Tubing/Drill Pipe							
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure 2000 psi		Wellhead Connection 4 1/2" HEAD		Top, ft		Bottom, ft		sqf	
Service Instructions Safely Cement Prod Casing per customers request.		RECEIVED DEC 02 2002 KCO WICHITA				No. of Shoes		Total Interval ft		Diameter in	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools				Squeeze Job			
Lift Pressure: 1950 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Auto-Fill		Squeeze Type			
No. Centralizers: 6		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 2953.42 ft		Tool Type:			
Cathart Head Type:		Job Scheduled For: 2002-Aug-21 4:30		Arrived on Location: 2002-Aug-21 4:30		Leave Location: 2002-Aug-21 9:00		Stage Tool Type:		Tool Depth: ft	
						Stage Tool Depth: ft		Tail Pipe Size: in			
						Collar Type: None		Tail Pipe Depth: ft			
						Collar Depth: ft		Seq Total Vol: bbbl			
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message		
2002-Aug-21	6:52	-15	0.0	8.28	0.0	0	0	0			
2002-Aug-21	6:53								Pressure Test Lines		
2002-Aug-21	6:53	-15	0.0	8.28	0.0	0	0	0			
2002-Aug-21	6:53	-15	0.0	8.28	0.0	0	0	0			
2002-Aug-21	6:54	1748	0.0	8.31	0.3	0	0	0			
2002-Aug-21	6:54								Reset Total, Vol = 0.29 bbl		
2002-Aug-21	6:54	1806	0.0	8.31	0.3	0	0	0			
2002-Aug-21	6:55	49	0.0	8.31	0.3	0	0	0			
2002-Aug-21	6:55	49	0.0	8.30	0.3	0	0	0			
2002-Aug-21	6:55								Start Pumping Spacer		
2002-Aug-21	6:55								Reset Total, Vol = 0.00 bbl		
2002-Aug-21	6:55	49	0.0	8.30	0.3	0	0	0			
2002-Aug-21	6:55								Reset Total, Vol = 0.00 bbl		
2002-Aug-21	6:55	49	0.0	8.30	0.0	0	0	0			
2002-Aug-21	6:56	205	5.8	8.28	1.7	0	0	0			
2002-Aug-21	6:57	219	5.8	8.38	6.5	0	0	0			
2002-Aug-21	6:57	223	5.9	8.42	11.4	0	0	0			
2002-Aug-21	6:57								End Spacer		
2002-Aug-21	6:57	228	5.9	8.42	11.6	0	0	0			
2002-Aug-21	6:58								Start Mixing Lead Slurry		
2002-Aug-21	6:58	223	5.9	8.42	12.0	0	0	0			
2002-Aug-21	6:58								Reset Total, Vol = 13.44 bbl		

Well		Field			Service Date		Customer		Job Number	
THORPE D 4241					02233-Aug-21		BP AMERICA PRODUCTION COMPANY		2205440554	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bb/min	lb/gal	bb	0	0	0	ORIGINAL	
2002-Aug-21	6:58	228	5.9	8.63	13.4	0	0	0		
2002-Aug-21	6:58	228	5.9	9.34	0.3	0	0	0		
2002-Aug-21	6:58								Reset Total, Vol = 0.29 bbl	
2002-Aug-21	6:58	274	5.9	12.10	2.8	0	0	0		
2002-Aug-21	6:59	246	6.0	12.17	7.8	0	0	0		
2002-Aug-21	7:00	219	6.0	12.47	12.8	0	0	0		
2002-Aug-21	7:01	196	6.0	12.87	17.8	0	0	0		
2002-Aug-21	7:02	164	6.1	12.50	22.8	0	0	0		
2002-Aug-21	7:02	150	6.1	12.30	27.9	0	0	0		
2002-Aug-21	7:03	141	5.8	12.30	33.1	0	0	0		
2002-Aug-21	7:04	164	6.8	12.27	38.5	0	0	0		
2002-Aug-21	7:05	173	6.8	12.40	44.2	0	0	0		
2002-Aug-21	7:06	173	6.8	12.62	49.9	0	0	0		
2002-Aug-21	7:07	155	6.8	12.20	55.6	0	0	0		
2002-Aug-21	7:07	168	6.9	12.36	61.3	0	0	0		
2002-Aug-21	7:08	159	6.9	12.11	67.0	0	0	0		
2002-Aug-21	7:09	155	6.9	11.79	72.7	0	0	0		
2002-Aug-21	7:10	173	6.9	12.36	78.5	0	0	0		
2002-Aug-21	7:11	178	6.9	12.41	84.3	0	0	0		
2002-Aug-21	7:12	173	6.9	12.56	90.0	0	0	0		
2002-Aug-21	7:12	168	6.9	12.30	95.8	0	0	0		
2002-Aug-21	7:13	164	7.0	11.95	101.6	0	0	0		
2002-Aug-21	7:14	182	7.4	12.05	107.2	0	0	0		
2002-Aug-21	7:15	150	6.4	12.53	112.7	0	0	0		
2002-Aug-21	7:16	187	6.4	12.27	118.2	0	0	0		
2002-Aug-21	7:17	155	6.4	12.37	123.5	0	0	0		
2002-Aug-21	7:17	155	6.4	12.40	128.8	0	0	0		
2002-Aug-21	7:18	155	6.4	12.35	134.1	0	0	0		
2002-Aug-21	7:19	127	6.4	11.23	139.4	0	0	0		
2002-Aug-21	7:20	59	5.0	11.98	144.4	0	0	0		
2002-Aug-21	7:21	45	3.1	12.05	147.8	0	0	0		
2002-Aug-21	7:22	45	3.8	11.97	150.5	0	0	0		
2002-Aug-21	7:22	49	4.3	12.52	153.7	0	0	0		
2002-Aug-21	7:23	49	3.1	12.12	157.5	0	0	0		
2002-Aug-21	7:24	-28	0.0	12.38	159.8	0	0	0		
2002-Aug-21	7:25	-24	0.0	12.09	159.8	0	0	0		
2002-Aug-21	7:26	-24	0.0	12.09	159.8	0	0	0		
2002-Aug-21	7:27	-24	0.0	12.08	159.8	0	0	0		
2002-Aug-21	7:28	72	4.5	12.27	161.5	0	0	0		
2002-Aug-21	7:28	-24	0.0	12.24	163.5	0	0	0		
2002-Aug-21	7:29	-24	0.0	9.96	163.5	0	0	0		
2002-Aug-21	7:30	109	3.8	9.55	164.0	0	0	0		
2002-Aug-21	7:31	68	3.8	8.64	167.2	0	0	0		
2002-Aug-21	7:32	146	4.7	8.43	170.9	0	0	0		
2002-Aug-21	7:33	-10	0.0	8.31	172.5	0	0	0		
2002-Aug-21	7:33								End Lead Slurry	
2002-Aug-21	7:33	-10	0.0	8.31	172.5	0	0	0		
2002-Aug-21	7:33								Start Displacement	
2002-Aug-21	7:33	-10	0.0	8.31	172.5	0	0	0		
2002-Aug-21	7:33								Reset Total, Vol = 172.25 bbl	
2002-Aug-21	7:33	-15	0.0	8.31	172.5	0	0	0		
2002-Aug-21	7:33	40	2.5	8.37	0.0	0	0	0		
2002-Aug-21	7:34	173	5.6	8.44	4.6	0	0	0		
2002-Aug-21	7:35	219	6.3	8.38	9.7	0	0	0		

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Well		Field		Service Date		Customer		Job Number	
THORPE D #2-H				02233-Aug-21		BP AMERICA PRODUCTION COMPANY		2205440554	
Date	Time	Treating Pressure	Flow Rate	Density	Volume				Message
	24 hr clock	psi	bbbl/min	lb/gal	bbl	0	0	0	
2002-Aug-21	7:36	283	6.2	8.42	15.0	0	0	0	
2002-Aug-21	7:37	329	6.2	8.47	20.2	0	0	0	
2002-Aug-21	7:38	411	6.2	8.44	25.3	0	0	0	
2002-Aug-21	7:38	448	5.4	8.47	30.5	0	0	0	
2002-Aug-21	7:39	503	5.3	8.46	35.0	0	0	0	
2002-Aug-21	7:40	493	4.0	8.38	38.7	0	0	0	
2002-Aug-21	7:41	512	3.1	8.37	41.7	0	0	0	
2002-Aug-21	7:42	558	3.1	8.37	44.3	0	0	0	
2002-Aug-21	7:43	1102	0.0	8.36	46.5	0	0	0	
2002-Aug-21	7:43	1125	0.0	8.36	46.5	0	0	0	
2002-Aug-21	7:44	-24	0.0	8.36	46.5	0	0	0	
2002-Aug-21	7:45	-24	0.0	8.36	46.5	0	0	0	
2002-Aug-21	7:46	-24	0.0	8.35	46.5	0	0	0	
2002-Aug-21	7:47	-24	0.0	8.35	46.5	0	0	0	
2002-Aug-21	7:48	-24	0.0	8.35	46.5	0	0	0	
2002-Aug-21	7:48	-24	0.0	8.35	46.5	0	0	0	
2002-Aug-21	7:49	-15	0.0	8.35	46.5	0	0	0	
2002-Aug-21	7:49								Shutdown
2002-Aug-21	7:49								Stop Pumping
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5.6			6.6	169		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1150	1150	205			bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	1	bbl	
%	173 bbl	47 bbl	73 °F		<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		
<i>Dan Dear</i>			<i>[Signature]</i>		Strano, Douglas				

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