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FORM MUST BE TYPED

SEP 10 2001

SIDE ONE

ORIGINAL

**KCC WICHITA**  
 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: Amoco Production Company

Address P.O. Box 3092

City/State/Zip Houston, TX 77253-3092

Purchaser: WILLIAMS FIELD SERVICES

Operator Contact Person: Sue Sellers

Phone ( 281 ) 366-2052

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: NONE

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     PBDT

Commingled    Docket No. \_\_\_\_\_

Dual Completion    Docket No. \_\_\_\_\_

Other (SWD or Inj?)    Docket No. \_\_\_\_\_

05/23/01    05/25/01    07/25/01

Spud Date    Date Reached TD    Completion Date

API NO. 15- -055-21732-0000

County Finney

N/2 SE SW Sec. 7 Twp. 24 S Rge. 34  W <sup>E</sup>

980S Feet from S (circle one) Line of Section

1958W Feet from E (circle one) Line of Section

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

Lease Name Crawford Gas Unit "A" Well # 5 HI

Producing Formation Chase

Elevation: Ground 2923 KB 2928

Total Depth 2717 PBDT N/A

Amount of Surface Pipe Set and Cemented at 953 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 ALT 2 JH 12/13/02  
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 520 bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name K&L Tank

Lease Name Morris #1 SWD License No. 5176

Quarter Sec. 19 Twp. 24S S Rge. 31W  W

County Finney Docket No. 16-812 (96-93C)

**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.

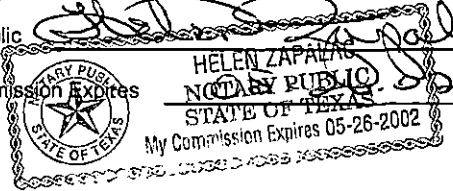
Signature Sue Sellers

Title Staff Assistant Date 09/06/01

Subscribed and sworn to before me this 6 day of SEPT, 20 01.

Notary Public Helen Zapala

Date Commission Expires \_\_\_\_\_



**K.C.C. OFFICE USE ONLY**

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Timelog Received

Distribution

KCC     SWD/Rep     NGPA

KGS     Plug     Other

(Specify)

X

Operator Name Amoco Production Company Lease Name Crawford Gas Unit Well # 5 HI  
 East  
 Sec. 7 Twp. 24 S Rge. 34  West County Finney

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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Chase</b>	<b>2459</b>	<b>2928-KB</b>
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run: <b>Compensated Spectral Natural Gamma Ray</b>				

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
<b>Surface</b>	<b>12 1/4"</b>	<b>8 5/8"</b>	<b>24#</b>	<b>953</b>	<b>Prem+Lite</b>	<b>320</b>	<b>2%;1/4#Flocel</b>
					<b>Prem+</b>	<b>150</b>	<b>2%;1/4#Flocel</b>
<b>Production</b>	<b>7 7/8"</b>	<b>4 1/2"</b>	<b>10.5#</b>	<b>2717</b>	<b>65/35pw/6%gr</b>	<b>450</b>	<b>1/4# Flocel</b>

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

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
<b>4</b>	<b>2460' - 2470'</b>	<b>Frac-w/100,000# 16/30 Brady Sand</b>	<b>2460-2492</b>
<b>4</b>	<b>2482' - 2492'</b>	<b>373 bbls 70Q N2 Foam</b>	
<b>4</b>	<b>2528' - 2538'</b>	<b>Acid-w/500 gals 15% HCL</b>	<b>2528-2538</b>
<b>4</b>	<b>2580' - 2590'</b>	<b>ACID-W/500 GALS 15% HCL</b>	<b>2580-2590</b>

TUBING RECORD	Size <b>2 3/8"</b>	Set At <b>2605</b>	Packer At <b>N/A</b>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. <b>07/25/01</b>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. <b>0</b>	Gas Mcf <b>120</b>	Water Bbls. <b>0</b>	Gas-Oil Ratio	Gravity
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Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perforation  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

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KCC WICHITA

DRILLER'S LOG

AMOCO PRODUCTION  
CRAWFORD A-5  
SECTION 7-T24S-R34W  
FINNEY COUNTY, KANSAS

COMMENCED: 05-23-01  
COMPLETED: 05-25-01

SURFACE CASING: 953' OF 8 5/8" CMTD  
W/320 SKS 65:35 POZ C + 2% CC + 6% GEL +  
1/4#/SK FLOCELE. TAILED W/150 SKS  
PREMIUM PLUS + 2% CC + 1/4#/SK FLOCELE.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 953
RED BED	953 - 1430
GLORIETTA	1430 - 1600
RED BED	1600 - 2485
LIMESTONE & SHALE	2485 - 2717 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

*Wray Valentine*

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25TH DAY OF MAY, 2001.

JOLENE K. RUSSELL

*Jolene K. Russell*  
NOTARY PUBLIC





15-055-21732-0000

ORIGINAL

Well		Field			Service Date	Customer	Job Number
CRAWFORD A #5HI		HUGOTON				IOCO PRODUCTION COMP	20219245
Time	CumVol E2H	Density	Pressure	Rate E2H			Message
24 hr clock	bbbl	ppg	psl	bpm			
21:51	42.24	12.26	141.9	6.49	0	0	
21:52	46.51	12.13	105.3	6.49	0	0	
21:53	50.73	12.16	137.4	6.71	0	0	
21:53	54.79	12.22	137.4	5.51	0	0	
21:54	58.46	12.47	114.5	5.81	0	0	
21:55	62.33	12.08	123.6	5.85	0	0	
21:55	66.27	12.32	128.2	5.85	0	0	
21:56	70.14	12.59	123.6	6.01	0	0	
21:57	74.08	12.53	96.15	5.85	0	0	
21:57	77.84	12.26	77.84	5.51	0	0	
21:58	81.6	12.39	128.2	5.77	0	0	
21:59	85.49	12.31	123.6	5.93	0	0	
21:59	89.39	12.32	123.6	5.81	0	0	
22:00	93.26	12.37	96.15	5.75	0	0	
22:01	97.15	12.45	132.8	5.99	0	0	
22:01	101.	12.39	146.5	5.87	0	0	
22:02	104.9	12.29	137.4	5.89	0	0	
22:03	108.9	12.23	100.7	6.03	0	0	
22:03	112.8	12.24	151.1	5.71	0	0	
22:04	116.7	12.26	132.8	5.75	0	0	
22:05	120.5	12.09	119.	5.81	0	0	
22:05	124.6	12.54	109.9	6.19	0	0	
22:06	124.6	12.54	109.9	6.19	0	0	Reset Volume
22:06	124.6	12.54	109.9	6.19	0	0	[CumVol Proxim.]=161.4 bbl
22:06	124.6	12.54	109.9	6.19	0	0	End Lead Slurry
22:06	124.6	12.54	109.9	6.19	0	0	Start Mixing Tail Slurry
22:06	2.31	14.41	132.8	5.95	0	0	
22:07	6.11	14.93	160.3	5.55	0	0	
22:07	9.91	15.42	183.2	5.95	0	0	
22:08	13.77	15.28	187.7	5.49	0	0	
22:09	17.69	15.19	174.	5.81	0	0	
22:09	21.56	15.04	174.	5.77	0	0	
22:10	25.44	15.14	187.7	5.79	0	0	
22:11	29.26	14.71	169.4	5.45	0	0	
22:11	33.31	13.84	132.8	6.41	0	0	
22:12	33.31	13.84	132.8	6.41	0	0	Shutdown
22:12	33.31	13.84	132.8	6.41	0	0	Drop Top Plug
22:12	33.31	13.84	132.8	6.41	0	0	Start Displacement
22:12	33.31	13.84	132.8	6.41	0	0	Reset Volume
22:12	33.31	13.84	132.8	6.41	0	0	[CumVol Proxim.]=42.49 bbl
22:12	0.	13.8	-4.58	0.	0	0	
22:13	0.	13.78	-4.58	0.	0	0	
22:13	0.401	10.84	77.84	3.68	0	0	
22:14	3.82	10.12	68.68	5.01	0	0	
22:15	7.31	8.49	54.95	4.98	0	0	RECEIVED
22:15	10.92	8.34	50.37	5.49	0	0	
22:16	14.69	8.65	36.63	3.7	0	0	1 SEP 10
22:17	18.17	8.5	54.95	4.86	0	0	
22:17	21.32	8.33	54.95	4.46	0	0	KCC WICHITA
22:18	24.15	8.39	54.95	4.08	0	0	
22:19	26.9	8.39	59.52	3.58	0	0	
22:19	26.9	8.39	59.52	3.58	0	0	Returns at Surface
22:19	29.09	8.39	59.52	2.98	0	0	
22:20	30.84	8.33	59.52	2.34	0	0	

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ORIGINAL

Well		Field			Service Date		Customer		Job Number	
CRAWFORD A #5HI		HUGOTON					10CO PRODUCTION COMP		20219245	
Time	CumVol E&H	Density	Pressure	Rate E&H					Message	
24 hr clock	bbbl	ppg	psi	bpm						
22:21	33.52	8.33	128.2	4.4	0	0	0			
22:22	36.69	8.31	132.8	5.37	0	0	0			
22:22	39.68	8.33	146.5	4.42	0	0	0			
22:23	42.61	8.33	169.4	4.34	0	0	0			
22:24	45.52	8.33	196.9	4.32	0	0	0			
22:24	45.52	8.33	196.9	4.32	0	0	0		Lower Pump Rate	
22:24	47.49	8.33	169.4	2.6	0	0	0			
22:25	49.95	8.31	174.	2.68	0	0	0			
22:26	51.72	8.31	201.5	2.64	0	0	0			
22:26	53.48	8.32	201.5	2.64	0	0	0			
22:27	55.22	8.32	215.2	2.58	0	0	0			
22:28	56.95	8.32	228.9	2.54	0	0	0			
22:28	58.67	8.32	238.1	2.54	0	0	0			
22:29	60.36	8.32	247.3	2.52	0	0	0			
22:30	61.87	8.32	1007	0.34	0	0	0			
22:30	61.87	8.32	1007	0.34	0	0	0		Bump Top Plug	
22:30	61.88	8.32	979.9	0.	0	0	0			
22:31	61.88	8.32	975.3	0.	0	0	0			
22:31	61.88	8.32	975.3	0.	0	0	0		Bleed Off Pressure	
22:32	61.88	8.32	-4.58	0.	0	0	0			
22:32	61.88	8.32	0.	0.	0	0	0			
22:32	61.88	8.32	0.	0.	0	0	0		End Job	
Post Job Summary										
Average Pump Rates, bpm				Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
4	0	0	6	155	0	10	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
1100	205	100	1100	0		0 bbl	0 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume		30 bbl				
0 %	155 bbl	54 bbl	60 °F	<input type="checkbox"/> Washed Thru Perfs To		0 ft				
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		
Spanky Sphon			Jeffrey Dutton							

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15-055-21732-0000

ORIGINAL



# Cementing Service Report

Customer <b>AMOCO PRODUCTION COMPANY</b>	Job Number <b>20219527</b>
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Well <b>(CRAWFORD) A SHI</b>		Location (logal) <b>Sec. 7-24S-34W</b>		Dowell Location <b>Ulysses, KS</b>		Job Start <b>5/25/01</b>	
Field <b>HUGOTON</b>		Formation Name/Type <b>Surface</b>		Deviation <b>0</b>		Well MD <b>2,800 ft</b>	
County <b>FINNEY</b>		State/Province <b>KANSAS</b>		BHP <b>0 psi</b>		Well TVD <b>2,800 ft</b>	
Rig Name <b>Cheyenne Rig 8</b>		Drilled For <b>Gas</b>		Service Via		Casing/Liner	
Offshore Zone		Well Class <b>New</b>		Well Type <b>Development</b>		Casing/Liner	
Drilling Fluid Type <b>Bentonite</b>		Max. Density <b>8.8 lb/gal</b>		Plastic Viscosity <b>27 cp</b>		Tubing/Drill Pipe	
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>		Depth, ft		Grade	
Max. Allowed Tubing Pressure <b>0 psi</b>		Max. Allowed Ann. Pressure <b>0 psi</b>		Wellhead Connection <b>Single cement head</b>		Perforations/Open Hole	
Service Instructions <b>Safety cement 4 1/2 Lonstring as per customer's request</b>		Top, ft		Bottom, ft		Total Interval	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure: <b>1794 psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: <b>Float</b>	
No. Centralizers: <b>7</b>		Top Plugs: <b>1</b>		Bottom Plugs: <b>0</b>		Shoe Depth: <b>2717 ft</b>	
Cement Head Type: <b>Single</b>		Job Scheduled For:		Arrived on Location: <b>5/25/01 6:30</b>		Leave Location: <b>5/25/01 9:45</b>	
Stage Tool Type: <b>None</b>		Stage Tool Depth: <b>0 ft</b>		Collar Type: <b>None</b>		Collar Depth: <b>ft</b>	
Treat Down Casing		Displacement <b>0 bbl</b>		Packer Type		Packer Depth <b>0 ft</b>	
Tubing Vol. <b>0 bbl</b>		Casing Vol. <b>0 bbl</b>		Annular Vol. <b>0 bbl</b>		Open Hole Vol. <b>0 bbl</b>	
Time	CumVol E&H	Density	Pressure UI	Rate E&H	Message		
24 hr clock	bbl	ppg	psi	bpm			
8:23	0	0	0	0	0	0	START ACQUISITION
8:23	0.	8.37	59.52	0.	0	0	
8:24	0.	8.37	59.52	0.	0	0	Start Pumping Water
8:24	0.893	8.34	210.6	4.46	0	0	
8:24	3.71	8.34	251.8	6.03	0	0	
8:25	6.58	8.34	256.4	5.37	0	0	
8:25	9.44	8.33	261.	6.03	0	0	
8:26	9.44	8.33	261.	6.03	0	0	[CumVol E&H]=0 bbl
8:26	9.44	8.33	261.	6.03	0	0	Start Cement Slurry
8:26	1.65	11.23	288.5	6.03	0	0	
8:26	4.82	12.29	329.7	5.51	0	0	
8:27	7.58	12.36	238.1	6.13	0	0	
8:27	10.47	12.23	247.3	6.13	0	0	
8:28	13.21	12.09	210.6	5.65	0	0	
8:28	15.95	12.48	201.5	5.39	0	0	
8:29	18.75	12.26	183.2	5.67	0	0	
8:29	21.62	12.06	164.8	6.19	0	0	
8:30	24.52	12.21	178.6	5.95	0	0	
8:30	27.67	12.48	187.7	6.35	0	0	
8:31	30.71	12.31	174.	6.09	0	0	
8:32	33.96	12.21	178.6	6.17	0	0	
8:32	37.08	12.26	178.6	5.99	0	0	

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Well		Field				Service Date		Customer	Job Number
CRAWFORD A #5HI		HUGOTON						IOCO PRODUCTION COMP	20219527
Time	CumVol E&H	Density	Pressure U1	Rate E&H				Message	
24 hr clock	bbl	ppg	psi	bpm					
8:33	40.16	12.35	178.6	6.07	0	0	0		
8:33	43.35	12.37	174.	7.03	0	0	0		
8:34	46.55	12.1	151.1	6.53	0	0	0		
8:34	49.7	12.	174.	5.85	0	0	0		
8:35	53.	12.26	174.	6.97	0	0	0		
8:35	56.3	12.1	174.	6.35	0	0	0		
8:36	59.71	12.4	178.6	7.71	0	0	0		
8:36	63.03	12.61	183.2	6.29	0	0	0		
8:37	66.2	12.5	178.6	6.33	0	0	0		
8:37	69.23	12.14	174.	6.37	0	0	0		
8:38	72.43	12.02	174.	6.71	0	0	0		
8:38	75.6	12.39	174.	6.41	0	0	0		
8:39	78.73	12.53	178.6	6.29	0	0	0		
8:39	81.89	12.37	169.4	5.87	0	0	0		
8:40	85.05	12.29	174.	6.27	0	0	0		
8:40	88.21	12.33	174.	6.45	0	0	0		
8:41	91.37	12.39	183.2	6.89	0	0	0		
8:41	94.56	12.42	201.5	6.47	0	0	0		
8:42	97.94	12.41	215.2	6.43	0	0	0		
8:42	101.3	12.3	210.6	6.65	0	0	0		
8:43	104.7	12.2	206.	6.95	0	0	0		
8:43	108.	12.27	201.5	6.67	0	0	0		
8:44	111.3	12.39	201.5	5.73	0	0	0		
8:44	114.4	12.06	183.2	6.31	0	0	0		
8:45	117.5	12.13	178.6	5.91	0	0	0		
8:45	120.6	12.35	178.6	7.01	0	0	0		
8:46	123.7	12.32	174.	6.23	0	0	0		
8:46	126.8	12.49	183.2	6.15	0	0	0		
8:47	130.3	12.5	265.6	7.85	0	0	0		
8:47	133.9	12.39	270.1	6.99	0	0	0		
8:48	137.4	12.28	279.3	7.45	0	0	0		
8:48	141.1	12.36	288.5	6.89	0	0	0		
8:49	144.4	12.51	270.1	6.77	0	0	0		
8:49	147.8	12.6	283.9	6.77	0	0	0	RECEIVED	
8:50	151.1	12.51	297.6	6.31	0	0	0		
8:50	154.5	12.39	311.4	6.79	0	0	0	(SEP 10 2001)	
8:51	157.8	12.28	297.6	6.63	0	0	0		
8:51	161.2	12.19	297.6	6.39	0	0	0	KCC WICHITA	
8:52	164.4	12.19	329.7	6.85	0	0	0		
8:52	167.8	12.29	329.7	5.99	0	0	0		
8:53	171.6	11.73	293.	6.91	0	0	0		
8:53	174.2	11.58	0.	0.839	0	0	0		
8:54	174.2	11.58	0.	0.	0	0	0		
8:54	175.6	8.68	206.	4.94	0	0	0		
8:55	178.9	8.93	270.1	3.84	0	0	0		
8:55	184.1	8.54	261.	7.95	0	0	0		
8:56	184.8	8.43	-4.58	0.	0	0	0		
8:56	184.8	8.48	-4.58	0.	0	0	0		
8:57	186.2	8.39	288.5	5.41	0	0	0		
8:57	188.9	8.39	320.5	5.39	0	0	0		
8:58	191.6	8.36	338.8	5.23	0	0	0		
8:58	191.6	8.36	338.8	5.23	0	0	0	[CumVol E&H]=9 bbl	
8:58	9.09	8.36	357.1	5.15	0	0	0		
8:58	9.09	8.36	357.1	5.15	0	0	0	Start Displacement	



Well		Field			Service Date		Customer		Job Number
CRAWFORD A #5HI		HUGOTON					IOCO PRODUCTION COMP		20219527
Time	Cum Vol P-H	Density	Pressure U1	Rate P-H					Message
24 hr clock	bbbl	ppg	psi	bpm					
8:59	11.66	8.39	398.4	5.17	0	0	0		
8:59	14.22	8.39	439.6	5.05	0	0	0		
9:00	16.74	8.36	480.8	4.98	0	0	0		
9:00	19.23	8.36	499.1	4.92	0	0	0		
9:01	21.66	8.37	531.1	4.84	0	0	0		
9:01	24.05	8.37	572.3	4.72	0	0	0		
9:02	26.27	8.37	540.3	3.1	0	0	0		
9:02	27.76	8.37	558.6	2.94	0	0	0		
9:03	29.23	8.37	576.9	2.86	0	0	0		
9:03	30.69	8.37	576.9	2.94	0	0	0		
9:04	32.15	8.37	609.	2.94	0	0	0		
9:04	33.6	8.37	609.	2.88	0	0	0		
9:05	35.03	8.37	622.7	2.84	0	0	0		
9:05	36.46	8.37	622.7	2.8	0	0	0		
9:06	37.86	8.37	641.	2.82	0	0	0		
9:06	39.26	8.37	659.3	2.8	0	0	0		
9:07	40.57	8.36	650.2	2.12	0	0	0		
9:07	41.58	8.36	659.3	2.	0	0	0		
9:08	42.58	8.36	673.1	2.	0	0	0		
9:08	43.58	8.36	668.5	2.	0	0	0		
9:09	43.58	8.36	668.5	2.	0	0	0		Bump Top Plug
9:09	43.94	8.36	1113	0.	0	0	0		
9:09	43.94	8.36	1108	0.	0	0	0		
9:10	43.94	8.36	696.	0.	0	0	0		
9:10	44.04	8.36	9.16	0.22	0	0	0		
9:11	44.16	8.36	4.58	0.22	0	0	0		
9:11	44.27	8.36	4.58	0.22	0	0	0		
9:12	44.29	8.36	4.58	0.	0	0	0		
9:12	44.29	8.36	4.58	0.	0	0	0		Bleed Off Pressure

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.5	0	0	7	168	0	10	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	F101	Average	Bump Plug to	Breakdown	Type	Volume	Density
650	650	250	1120	0		0 bbl	0 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 20 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft			
0 %	168 bbl	43.7 bbl	65 °F				
Customer or Authorized Representative			Dowall Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Spanky Sphon			David Brawley				

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1 SEP 10 2001

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