

ORIGINAL

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

Operator: License # 3871

Name: Hugoton Energy Corporation

Address 229 E. William

City/State/Zip Wichita, Kansas 67202

Purchaser: NA

Operator Contact Person: Jim Gowens

Phone (316) 262-1522

Contractor: Name: Duke Drilling

License: 5841

Wellsite Geologist: Steve McClain

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: 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. _____

6/13/92 6/25/92
Spud Date Date Reached TD Completion Date

API NO. 15- 055-21110-0000

County Finney

C - SE - SW - Sec. 7 Twp. 22 Rge. 33 E
X W

600 Feet from (S/N) (circle one) Line of Section

3300 Feet from (E/W) (circle one) Line of Section

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

Lease Name Pfeifer Well # 1-7

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2901' KB 2910'

Total Depth 4870' PBTB 2660

Amount of Surface Pipe Set and Cemented at 354 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 PLS 1 7-6-83
(Data must be collected from the Reserve Pit)

Chloride content 2500 ppm Fluid volume 100 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 _____

Title Jim Gowens, Exploration Manager Date March 1, 1993

Subscribed and sworn to before me this 1 day of March, 1993.

Notary Public Sarah E. Reynolds

Date Commission Expires 9/22/96

SARAH E. REYNOLDS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 9/22/96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep REC'D
 KGS Plug other (specify) _____
MAR 9 1993

Form ACO-1 (7-91) 3-9-1993
CONSERVATION DIVISION
Wichita, Kansas

P1

SIDE TWO

Operator Name Hugoton Energy Corporation Lease Name Pfeifer Well # 1-7

Sec. 7 Twp. 22 Rge. 33 East 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Krider	2540	+370
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield	2644	+266
List All E.Logs Run:		Council Grove	2804	+106
DIL,SSD/CNP/MEL		Base KC	4314	-1404
		Marmaton	4328	-1418
		Cherokee Shale	4458	-1548
		Morrow Shale	4646	-1736
		Morrow Sand	4676	-1766
		St. Gen	4696	-1786

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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
Surface	12 1/4	8 5/8	24#	354'	60/40 Poz	250	3%cc, 2% gel
Production	7 7/8	4 1/2	10.5#	3036'	Lite	500	1/4#sk flake

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
2	2540-48	ACID 750 GAS 15% HCL	
		FRAC W/18,732 GAL + 26,000# SD	
2	2815-20	500 15% FE ACID, NS,	
		FRAC 18,438 GAL + 25,760# SD	

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 3/8	2536	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj. SI WOHU			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.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		100		0		NA	

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2540-48

(If vented, submit ACO-18.) Other (Specify)

ORIGINAL

Page 2

Hugoton Energy Corporation
Pfeifer #1-7
Sec. 7-22S-33W
API #055-21110

Drill Stem Test Information

DST #1 4418-4478 (Marmaton)
Times 30-60-30-60
Recovered 40' VSOS & GCM
IHP: 2095 FFP: 46-53
IFP: 36-42 FSIP: 813
ISIP: 960 FHP: 2084
BHT: 114°

DST #2 4638-4698 (Morrow Sand)
Times 30-60-30-90
Recovered 20' mud w/sso
IHP: 2260 FFP: 30-36
IFP: 30-31 FSIP: 68
ISIP: 63 FHP: 2222
BHP: 118°

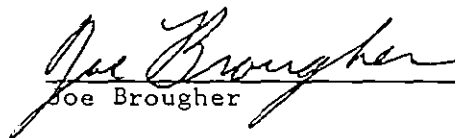
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MAR 9 1993

CONSERVATION DIVISION
Wichita, Kansas

NEW WELLPFEIFER #1-7

- 6-30-93: Rigged up Patrick Well Service. Blew well down. Pulled rods and tubing. Picked up 4½" casing, took slips out of braden head.
- Ran 1" Coiled Tubing down between the 8 5/8" and 4 1/2" Casing to 650'; Could not get any deeper. Also mashed 1" coiled tubing and had to cut off 450'; tried to get to 650' again; 450' was deep as we could get; came out of hole. Cut off end of coiled tubing that was bent and tried to get into the hole again; 350' was deep as we could get. Tore down coiled tubing unit and shut down for night.
- 7-01-93: Ran 901' of 1" drill pipe; got solid bottom at 916'. Cemented down 1" with 170 sacks cement. Cement did circulate. Pulled 1" tubing; packed braden head off. Glen Barlow with State Corporation Commission was present while job was done. Rigged up to sand pump 4½" casing. Shut down for night.
- 7-02-93: Ran sand pump and got 1 gal. sand, solid bottom. Rigged up to run tubing in hole; spaced 2' off bottom. Ran rods and 2"x 1½"x 10' pump in hole. Good pump action. Hung well on.
- Released Patrick Well Service.


Joe Brougher

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CONSERVATION DIVISION
Wichita, Kansas

KCC OIL/GAS REGULATORY OFFICE

DATE 7-2-93

- New Situation
- Response to Request
- Follow-up

OPERATOR Hugoton Energy Corp

NAME & ADDRESS _____

LOCATION C&E SW, SEC 7, T 22 S, R 33 W

LEASE Pfeiffer Well # 1-7

PHONE NO. OPER. _____ OTHER _____

COUNTY Finney

REASON FOR INVESTIGATION: ACT II completions

PROBLEM: 1st stage cmt did not cure.

PERSON(S) CONTACTED: _____

FINDINGS: RAW 1 1/4" tubing to 901' cmt cure
to surface w/ 17024
Glenn Borlow witness job.
Boind log enclosed.

photos taken: _____

ACTION/RECOMMENDATIONS: none

Retain 1 copy Joint District Office
Send 1 copy Conservation Division

By SMD

LEASE INSPECTION

COMPLAINT

FIELD REPORT



P.O. Box 4442
Houston, Texas 77210

15-055-21110-0000

CEMENTING LOG

STATE NO.

Date 6-13-92 District 0 Ticket No. 059026
 Company Hucoton Energy Rig Norseman W/L
 Lease Pfeiffer Well No. 1-7
 County Finney State KS.
 Location Tennis SW-15-2W Field _____
N 150

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skc Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type Submer. P.H.
 Excess _____
 Amt. 100 Skc Yield 1.31 ft³/sk Density 15.5 PPG

Lost Circulation

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skc Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls

Casing Depths: Top _____ Bottom _____

Pump Trucks Used _____
 Bulk Equip. _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars _____
 Open Hole: Size 12 1/4 T.D. _____ ft. P.B. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE [Signature]

CEMENTER _____

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>12:30</u>						<u>On Location</u>
<u>11:00 AM</u>						<u>Lost Circulation (Weight on Rig)</u>
<u>11:30</u>						<u>Pre Job Safety Meeting</u>
<u>1:00 PM</u>						<u>Set up FRK</u>
<u>5:00</u>						<u>Spot 100 SK of Surefill cement</u>
<u>5:30</u>						<u>with 2 to get down open hole</u>
						<u>Weight of PPS for cement.</u>
						<u>Load Hole with mud, plug held.</u>
						<u>Drill out plug.</u>
						<u>Lost circulation zone blocked</u>
						<u>Drilling ahead.</u>
						<u>Thank you,</u>
						<u>Ken & crew</u>

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 CONSERVATION DIVISION
 Wichita, Kansas



P.O. Box 4442
Houston, Texas 77210

15-055-21110-0000

CEMENTING LOG

STAGE NO.

CEMENT DATA:

Date 10-4-92 District Oakley Ticket No. _____
 Company Houston Energy Rig Norseman 042# Spacer Type: _____
 Lease Pfiffer Well No. 1-7 Amt. _____ Skys Yield _____ ft³/sk Density _____ PI _____
 County Finney State _____
 Location Texas SW-15-12 W Field _____
N into

CASING DATA: PTA Squeeze
 Surface 4 1/8 Intermediate Production Liner
 Size 8 7/8 Type _____ Weight 24# Collar _____
 LEAD: Pump Time _____ hrs. Type 40/140 3/4 Excess _____
 Amt. 250 Skys Yield 1.26 ft³/sk Density 14.53 PI _____
 TAIL: Pump Time _____ hrs. Type _____ Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PI _____
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bl _____

Casing Depths: Top _____ Bottom _____
 Pump Trucks Used _____
 Bulk Equip. _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Dave Collins CEMENTER Surfow

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:45						Oh location! Pre Job Safety meeting Hook up to circulate mud Hook up to pump truck 8 bbls of water ahead of cement mix cement Displace Plug down & circulated 10 bbls of cement into pit JPB Complete
8:00						
12:30						
12:45						
12:50			8			
12:55						
1:08			20			
1:15						
1:15						

Thank you,
 Ken J. Green

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CONSERVATION DIVISION
 Wichita, Kansas
 THANK YOU



P.O. Box 4442
Houston, Texas 77210

15-055-21110-0000

CEMENTING LOG

STAGE NO

Date 6-24-92 District 584 Ticker No. 071808
 Company Hugoton Energy Rig Norsman Dr. 19 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 Lease Rfeifer Well No. 41-7
 County Finnery State Kansas
 Location _____ Field _____

CEMENT DATA

Spacer Type: 500 Gallons mud clean

CASING DATA PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type T-55 Weight 10.5 Collar _____

LEAD: Pump Time _____ hrs. Type 35:65:6
CLASS A Excess _____

Burst 4,790
 Collapse 4,010
 Casing Depths Top _____ Bottom _____

Amt 450 Skys Yield 1.98 ft³/sk Density 12.4 PPG

TAIL Pump Time _____ hrs. Type Sure-fill
CLASS A, 5th Kol-Seal Excess _____

Amt 100 Skys Yield 1.33 ft³/sk Density 15.3 PPG

WATER Lead 110 gals/sk Tail 60 gals/sk Total 131 Bbls

Drill Pipe Size 4 1/2 Weight 16.6 Collars X-Hole
 Open Hole Size 7 7/8 TD 4870 ft PB to _____ ft

Pump Trucks Used BT-1492, Harry Cheek
 Bulk Equip BSU 2904, Carl Balding
Max Wolf

CAPACITY FACTORS

Casing Bbls/Lin ft 0.159 Lin ft/Bbl 6.270
 Open Holes Bbls/Lin ft 0.602 Lin ft/Bbl 16.5993
 Drill Pipe Bbls/Lin ft 0.142 Lin ft/Bbl 7.032
 Annulus Bbls/Lin ft _____ Lin ft/Bbl _____
 4 1/2 x 7 7/8 Bbls/Lin ft 0.406 Lin ft/Bbl 24.6474
 Perforations From _____ ft to _____ ft Amt _____

Float Equip Manufacturer BAKER-weatherford
 Shoe Type Reg. Guide Shoe Depth 3038'

Float Type AFU Insert Depth 3008'

Centralizers Quantity 6 Plugs Top Rubber Btm. _____

Stage Collars _____

Special Equip. Basket

Disp Fluid Type Fresh H2O Amt. _____ Bbls Weight 8.34 PPG

Mud Type Chemical Weight 9.3 PPG

COMPANY REPRESENTATIVE Terry Maxwell

CEMENTER Harry Balding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
10:00						Rig up and hold safety meeting
10:11		200		8 1/2	4	Rig up to Cement Pump
10:15		195		8.29	3	Start Pre-Pad
10:18		150		3	1	Start Cement, Cement w/ 355 Skys. Sure-fill
10:19		125				Cement In. Start Fresh H2O.
10:35		120		40 3/4	16	Start mud.
5:45						mud In. Stop Pumps.
5:50		200				Plug Backer. 3240'
6:05						Pipe on Bottom
6:10		100		12	4	Start Circ.
6:17		300		158	28	Rig up to Cement Pump
6:45				26	8	Start mud clean, mud clean In
6:53				8	2	Start Cement, Cement w/ 450 Skys.
6:55						Start Tail, Cement w/ 100 Skys. Sure-fill
6:57		200		40	5	Start Tail Cement In. Stop Pumps.
7:02		625		47 3/4	3	Wash out Pump and lines
7:05		1100				Release Plug
						Start Displacement Fresh H2O
						Decrease rate
						Bump Plug
						Float did Hold.
						Cement Did not Circ.
						Had Good Returns

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THANKS! MAR 9 1993

CONSERVATION DIVISION
 Wichita, Kansas

FINAL DISP PRESS. 625 PSI BUMP PLUG TO 1100 PSI BLEEDBACK 1/4 BBLs.

THANK YOU



DOWELL SCHLUMBERGER INCORPORATED

PRINTED IN U.S.A.

WELL NAME AND NO. HEIFER #1-07		LOCATION (LEGAL) SEC 7-223-33W		RIG NAME:	
FIELD-POOL		FORMATION		WELL DATA: BOTTOM: TOP:	
COUNTY/PARISH Finney		STATE Kansas	API. NO.	BIT SIZE	CSG/Liner Size
NAME LOGGON Energy				TOTAL DEPTH	WEIGHT
AND				<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE
ADDRESS				MUD TYPE	GRADE
ZIP CODE				<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD
SPECIAL INSTRUCTIONS				MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)
				MUD VISC.	Disp. Capacity

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE		Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE		TOOL	TYPE	
	DEPTH			DEPTH	
Head & Plugs		<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double		SIZE		TYPE	
<input type="checkbox"/> Single		WEIGHT		DEPTH	
<input type="checkbox"/> Swage		GRADE		TAIL PIPE: SIZE DEPTH	
<input type="checkbox"/> Knockoff		THREAD		TUBING VOLUME Bbl's	
TOP <input type="checkbox"/> OR <input type="checkbox"/> W		<input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL Bbl's	
BOT <input type="checkbox"/> OR <input type="checkbox"/> W		DEPTH		TOTAL Bbl's	
ROTATE RPM		RECIPROCATATE FT	No. of Centralizers	ANNUAL VOLUME Bbl's	

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT PSI BUMP PLUG TO PSI
 ROTATE RPM RECIPROCATATE FT No. of Centralizers

TIME :0001 to 2400	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME DATE			ARRIVE AT LOCATION TIME DATE			LEFT LOCATION TIME DATE		
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
1401	900		5			14.20		1000	6/30	1000	6/30	1030	7-1-93
1406	1100		40	5		14.8							
1446	1150			3843									
1447	1150			48									

SERVICE LOG DETAIL
 PRE-JOB SAFETY MEETING
 3rd WATER SHEED
 WATER SHEED PUMPED 3RD WATER CEMENT
 CMT TO SURFACE
 Shut d.w.

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED	
				BBL'S	DENSITY
1.	190	1.32	CLASS C	40	14.8
2.					
3.					
4.					
5.					
6.					

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 CONSERVATION DIVISION
 Wichita, Kansas

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX.	MIN:
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST	<input type="checkbox"/> YES <input type="checkbox"/> NO		Cement Circulated To Sur. Bbl's
BREAKDOWN PSI		FINAL PSI	DISPLACEMENT VOL.	Bbl's		TYPE OF WELL	
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO FT.	MEASURED DISPLACEMENT <input type="checkbox"/>	<input type="checkbox"/> WIRELINE		<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BASE WATER <input type="checkbox"/> WILDCAT	
PERFORATIONS TO TO		CUSTOMER REPRESENTATIVE		DS SUPERVISOR			
		Joe Brougner		Greg Green			