

ORIGINAL

SIDE ONE

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

API NO. 15- 175-21,130-0000

County Seward

80' W & 90' N of S2 NE NW Sec. 16 Twp. 32S Rge. 31 X East West

4380 Ft. North from Southeast Corner of Section

3380 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Beck Well # 1-16

Field Name Plains West

Producing Formation None

Elevation: Ground 2796 KB 2808

Total Depth 5700 PBDT 5130

Operator: License # 03908

Name: Parker & Parsley Petroleum Co

Address 205 NW 63rd

Suite #220

City/State/Zip Oklahoma City, OK 73116

Purchaser: NA

Operator Contact Person: Mike Stafford

Phone (405) 848-2204

Contractor: Name: Service Drilling Southwest, Inc

License: 03363

Wellsite Geologist: NA

Designate Type of Completion

 New Well X Re-Entry Workover

 Oil SWD Temp. Abd.

 Gas Inj Delayed Comp.

X Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: NA

Well Name:

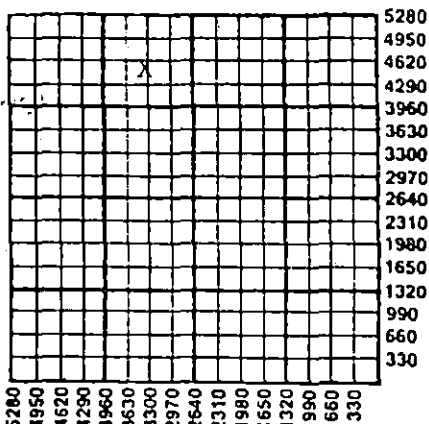
Comp. Date: Old Total Depth

Drilling Method:

X Mud Rotary Air Rotary Cable

3/15/90 3/31/90 5/29/90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 1729 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Handwritten Signature]

Title Senior Operations Engineer Date 6/11/90

Subscribed and sworn to before me this 11th day of June, 1990.

Notary Public [Handwritten Signature]

Date Commission Expires August 28, 1990

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

ORIGINAL

SIDE TWO

Operator Name Parker & Parsley Petroleum Co Lease Name Beck Well # 1-16

Sec. 16 Twp. 32S Rge. 31 East West County Seward

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 Yes No (Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No (Submit Copy.)

Formation Description		
Name	Top	Bottom
Hollenberg	2595	2641
U Krider	2641	2678
L Krider	2724	2760
Winfield	2772	2804
Checkerboard	4094	4102
Heebner	4280	4304
Lansing	4372	4884
Marmaton	5050	5116
Morrow Zone	5516	5605
Mississippi	5618	5700 TD

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
Conductor (New)	17.5	12.75		603	C	100	6% gel, 3% CC
Surface (Used)	11	8.625	24	1729	Lite C tail in C	600 175	2# Hi seal, 2% CC 1% CC
Production (Used)	7.875	4.5	11.6	5700	H	100	10% salt, 2# Hi seal

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	5550-54 & 5562-64	500 gal 7½%; 13,600# 20/40	5550-64
4	5150 (squeeze holes)	200 sx Class H w/ 3% KCl	5150
		Set cement retainer	5130
2	5056-66	1000 gal 15% HCl	5056-66

TUBING RECORD
Size NA Set At _____ Packer At _____ Liner Run Yes No

Date of First Production None Producing Method Flowing Pumping Gas Lift Other (Explain) Dry Hole

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	0	NA	NA

Disposition of Gas: NA METHOD OF COMPLETION
 Vented Sold Used on Lease (If vented, submit ACO-18.)
 Open Hole Perforation Dually Completed Commingled
 Other (Specify) Dry Hole Production Interval To P&A ASAP
See Form CP-1

BECK #1-16, P&P Dev 100% WI, Seward County, KS, PTD: 5800'.

ORIGINAL

03/03/90 Started building the location.

03/15/90 Start MI.

02/17/90 Staked location at 900 FNL & 1900 FWL. GLE 2796'. Sec. 16-T32S-R31W, Seward County, Kansas. From junction of US 83 and US 160, go East on US 160 9-3/8 mile then South into.

03/17/90 RU. Rat Hole Driller. Set 50 ft of 20" conductor. RDMO.

03/18/90 MIRT. Service Drilling Rig No. 4.

03/19/90 Spud 7 am MW. 8.4 Vis 36. LCM 6# Stuck at 420 ft. Drilling with 12-1/4 bit at 706' lost circulation. Pulling drill string to regain circulation. Stuck at 420 ft with bit plugged. Rig up pipe driver. Work pipe - driver broke. Rig up. Dialog run in hole with string shot to clear bit. Found 1 ft of fill. Unsuccessful. RU surface jars. 7 am 03/20/90 preparing to jar. CWC \$10114.

DSS

03/20/90 Jarred with surface jars 2 hours with only slight downward movement. LD surface jars. Back off drill collars @ 284' POOH. RIH with 12-1/4" bit to TOF @ 284. Circulate and condition 1-1/2 hours. POOH. RIH with 12 9-5/8" wash pipe with washover shoe, bumper sub, jars and drill collars. Wash to 353' - lost circulation. POOH. Mix 16# LCM pill and fill hole. TIH with 4" H-90 screw in sub, bumper sub, jars and drill collars. Screw into fish @ 284'. Jar OOH. Fish on bank at 2:30 am 03/20/90. Break out fishing tools. 7 am 03/20/90. Preparing to wash back to bottom at 706' MW 8.7 Vis. 47 PV/YP 11/16 Gels 4/5 LCM 16# W.L. 9.6 Cl 900 Solids 2.5 DMC \$380 CMC \$2080 CWC \$23941.

DSS

03/21/90 TIH with ~~7-7/8~~^{12-7/8}" bit to 430 ft. Wash from 430 ft to 678 ft. Lost circulation. POOH. Pump 400 BBLS mud to fill hole. Wait on casing 16-1/4 hours. PU 17-1/2" bit. Start reaming at 40 ft. Ream to 280 ft and lost circulation. Start OOH. 7 am. TOOH. MW 8.7 Vis 40 PV/YP 11/14 Gels 7/12 LCM 16# PH 8.5 W.L. 9.6 Cl. 800 F.C. 2

DSS

03/22/90 POOH with DP, DC & 17-1/2" bit. Pump 20 BBLS mud to fill hole. RIH with 17-1/2" bit, wash and ream to 603'. Circulate and condition 1/2 hour. POOH. Strap 12-3/4" casing a 602.76 ft. Tack on notched guide shoe. RU casing crew. RIH with 17 jts 33#/ft 12-3/4 casing, notched guide shoe, float collar, cement basket on 2nd joint, 1 centralizer on 3rd, 4th and 5th joint. Set at 602 ft. RU Western. Cement with 100 sx Class C with 6% gel, 3% CaCl, 1/2 #/sx celloflake. WOC 6 hrs. Cut of casing. NU. BOP. TIH. Drill plug with 11" bit. Drill to 672 ft. Lost circulation at 5:30 am. Pull into casing. Pump 300 BBLS mud. 7 am 03/22/90 Mixing mud. M.W. 8.7 Vis 40 PV/YP 11/14 Gels 7/12 LCM 16# PH 8.5 W.L. N.C. Cl 800 Solids 1.8 FC 3. DMC 1026 CMC 5261 CWC 46443.

DSS

- 03/23/90 DSS 5. Rebuilt mud volume. Filled hole with 70 BM. Drilled from 706' - 1715'. Will TD for surface pipe @ 1729'. TD 1715', Footage 1009', hours 18-1/4, RDP 48.4, WOB 20-30, RPM 70, String wt 70, Survey 3/4 degrees @ 980' and 3/4 degrees @ 1290', Bit #3, Security S33J 11", 3/12's, in @ 706', Footage 1009', Cum hours 22-3/4, ROP 48.4, MW 9.2, Vis 36, PV 5, YP 3, Gels 1/3, LCM 16, Ph 8.5, Cl 900, Solids 3.4, Sand Tr, FC 3. DMC \$3120, CMC \$8381, DDC \$8380, CWC \$54823.
- 03/24/90 DSS 6. TD'd @ 1729'. C & C 1/2 hours. POOH with DP. RU Casing Crew. RIH with 54 jts 8-5/8" casing as follows: Notched Texas pattern guide shoe, 1 jt with wild cent, float collar, cent's on 3rd, 5th, & 46th collars. Set @ 1729'. RU Western. Cemented with 600 sx Lite (Class C) with 2#/sx Hi-Seal and 2% CC, tailed-in with 175 sx Class C with 1% CC. Circ 32 BBLs cement to pit. WOC 6 hours. Cut off 8-5/8". NU. Tripping in hole @ 7:00am. MW 9.2, Vis 30, LCM 16. Jetbed pits. DMC \$1313, CMC \$9694, DDC \$25454, CWC \$80277.
- 03/25/90 DSS 7. Drill out surface casing. Drilling ahead. Depth 2710', Footage 981', hours 21-1/2, ROP 45.6, WOB 40, RPM 80, String wt 70, Bit #4, Walker-McDonald 7-7/8" 52 CF, 3/12's, in @ 1729', Footage 981', cum hours 21-1/2, ROP 45.6, MW 8.8, Vis 34, LCM 13. DMC \$1194, CMC \$9694, DDC \$6700, CWC \$88171.
- 03/26/90 DSS 8. Drilling ahead. Depth 3581', Footage 861', hours 23-1/4, ROP 37, WOB 40, RPM 85, Bit #4, Walker-McDonald 7-7/8" 52 CF, 3/12's, in @ 1729, footage 1742', hours 44-3/4, ROP 38.6, MW 9.0, Vis 37, PV 5, YP 19, Gels 3/8, LCM 6, Ph 8, WL NC, Cl 10000, Solids 3, Sand Tr, FC 3. DMC \$1059, CMC \$12947, DDC \$5881, CWC \$95111.
- 03/27/90 DSS 9. Drilled to 3946'. DP differentially stuck in dolomite during connection. Circ 30,000 SCG N₂ and freed pipe at 9:00 pm. TOOH looking for leak. Pipe ok. TIH. Drilling ahead at midnight. TD @ 7:00 am 4035. Depth 4035', footage 464', hours 13-1/2, ROP 34.4, WOB 40, RPM 85, PP 1450#, Bit #4, Walker-McDonald 7-7/8" 52 CF, 3/12's, in @ 1729', footage 2296', cum hrs 57-3/4, ROP 39.8. MW 9.1, Vis 36, PV 6, YP 11, Gels 5/12, LCM 4, Ph 8, WL NC, Cl 5000, Solids 5.3, FC 2. DMC \$462, CMC \$13409, DDC \$3169, CWC \$98742.
- 03/28/90 DSS 10. Drilling ahead @ 4665', Footage 630', hours 23-1/4, ROP 26.8, PP 1450, WOB 40, RPM 85, Bit #4, 7-7/8" Walker-McDonald 52 CF, 3/12's, in @ 1729, Footage 2836', cum hrs 81, ROP 35. MW 8.9, Vis 38, PV 10, YP 13, Gels 9/14, LCM 4, Ph 8, WL NC, Cl 7000, Solids 3.5, Sand Tr, FC 2. DMC \$1107, CMC \$14516, DDC \$5410, CWC \$104152.
- 03/29/90 DSS 11. Drilling ahead @ 5035'. Drilled to 4895'. Dropped Torco. TOOH with Bit #4. TIH with Bit #5. Drilling ahead. Footage 370', hours 18-1/2, ROP 20, WOB 40, RPM 85, PP 1450#. Bit #4, 7-7/8" Walker-McDonald 52 CF, in @ 1729', out @ 4895', footage 3166, hours 90-3/4, ROP 35. Bit #5, 7-7/8" Security S85CF with 3/13's, in @ 4895', footage 140', hours 8-3/4, ROP 16. MW 8.8, Vis 43, PV 10, YP 15, Gels 11/13, LCM 4, Ph 8.5, WL 36, Cl 4000, Solids 4, FC 2. DMC \$840, CMC \$15356, CWC \$107519.

- 03/30/90 DSS12, Drilling ahead @ 5510'. Footage 475, hours 23-1/4, ROP 20, WOB 45, PP 1450, RPM 85, Bit #5, Security 7-7/8" S85CF, 3/13's, in @ 4895', footage 615, cum hrs 32, ROP 19.2. MW 9.0, Vis 45, PV 10, YP 10, Gels 6/9, LCM 3, Ph 8.5, WL 12.8, Cl 2000, Solids 4, Sand Tr, FC 2. DMC \$1211, CMC \$16567, CWC \$111974.
- 03/31/90 DSS 13, Logging @ 5700'. Drilled from 5510' to 5614'. Bit trip. TD'd well @ 9:15 pm (CST) @ 5700'. C&C 2 hrs. POOH with DP. RU Schlumberger. RIH with DIL Phaser, CNL/CDL & Micro Log. Loggers TD 5700'. Pulling out of hole with Micro Log @ 7:00 am. Footage 190, hours 8-3/4, WOB 45, RPM 85, String wt 106, Survey 1-1/2 degrees @ 5615'. Bit #5, Security 7-7/8" S85CF with 3/13's, in @ 4895', out @ 5614', footage 719', cum hrs 36-3/4, ROP 19.6. Bit #6, HTC 7-7/8" ATJ 11A with 3/12's, in @ 5614', out @ 5700', footage 86', hours 4, ROP 21. MW 9.1, Vis 46, PV 15, YP 13, gels 3/11, LCM 2, Ph 9.0, WL 10, Cl 2100, Solids 5.4, Sand Tr, FC 2. DMC \$410, CMC \$16203, CWC \$128177.
- 04/01/90 DSS 14, Cementing @ 5700'. RD Schlumberger, TIH with open-ended collars. WOO 2-1/2 hrs. TIH with DP. C&C 4-1/2 hrs. POOH with DP & collars, Lay down in singles. RIH with 145 jts 4-1/2", 11.6 PPF J55 casing with guide shoe, cent on mid-1st joint, auto-fill insert float collar and cent's on 2nd, 4th, and 6th joints. Torqued to 1540 in-lb. C&C 3/4 hours. RU Western. Cemented with 100 sx Class H with 10% salt, 2 PPS Hi-seal, 10% thixad, 2% AF-11. Displaced with 88 BLS 2% KCL water. Recip pipe during job. Good circ throughout. Bumped plug @ 7:30 am (CDT). CWC \$155129.
- 04/02/90 DSS 15, WOC @ 5700'. Set slips. Cut off casing. Released Service Drilling @ 10:00 am. CWC \$155579.
- 04/03/90 WOC.
- 04/04/90 MIRU Patrick Well Service. NU BOP RU Halliburton. Run GR-CCL-CBL TOC @ 5210'. Perf Morrow Sand @ 5550-54' and 5562-64' with 2 JSPF 14 holes. RIH with collar, 1jt 2-3/8" cbg, packer, SN and 174 jts 2-3/8" tbg. Set @ 5484 (KB). Set packer. SIFN. DCC \$11380. CWC \$166959.
- 04/05/90 SITP 0. Swab to SN in three runs. Made hourly runs. Total recovery was 1 BW over tbg capacity. No show. Frac in morning. DCC \$1395. CCC \$12775. TWC \$168354.
- 04/06/90 RU Western. Acidize with 500 gallons 7-1/2% HCl and 20 balls. Avg 4 BPM, Broke @ 2300#, balled-off @ 3700#. Surged balls. Ramp frac'd with 13600# 20/40 sand up to 7 PPG. Avg rate 8.0 BPM, avg pressure 2550#. Screened out on 8 PPG @ 3700#. ISIP 1410#, 5 min 420#, 10 min 310#, 15 min 260#. SI and SDFN. 452 BLWTR. DCC \$15117, CCC \$27892. TWC \$183471.
- 04/07/90 SITP 0. RU Cudd Pressure Control coiled tbg unit. Jetted sand to 5600'. Released pkr and equalized. POOH. LD pkr. RIH with SN and 175 jts 2-3/8" cbg. Set @ 5488' KB. Strip off BOP. NU well head. SI & SDFN. Est 400 BLWTR. DCC \$7416. CCC \$35308. TWC \$190887.

04/08/90 SDFS.
04/09/90 SITP 5#, SICP 0, IFL @ 20'. Swabbed 112 BW. 288 BLWTR. Swab casing pressure @ 5:00 pm was 48#, FL @ 5350'. SI & SDFN. SITP 170#, SICP 80#, IFL @ 4250' @ 7:00 am 04/10.

04/10/90 SITP 170#, SICP 80#, IFL @ 4250'. Swabbed 12 BW. Well dried up. RIH with sinker bars. Found PBSD @ 5549'. SI & SDFN. 276 BLWTR. DCC \$600, CCC \$36908, TWC \$192487.

04/10/90 SITP 170#, SICP 80#, IFL @ 4250'. Swabbed 12 BW. Well dried up. RIH with sinker bars. Found PBSD @ 5549'. SI & SDFN. 276 BLWTR. DCC \$600, CCC \$36908, TWC \$192487.

04/11/90 SITP 125#, SICP 200#. Blew down. Lowered tbg. Found fill @ 5551'. POOH with tbg. Sand pumped to 5664'. RIH with three stds tbg. SI & SDFN. 276 BLWTR. DCC \$1000, CCC \$37908, TWD \$193487.

04/12/90 SITP 65#, SICP 65#. Blew down well. RIH with SN & 176 jts 2-3/8" tbg. Set @ 5519'. RIH w/swab. IFL @ 4200'. Swabbed down to SN. Total recovery 12 BW. 264 BLWTR. SI & SDFN. DCC \$1000. CCC \$38908. TWC \$194487.

04/13/90 SITP 125#. SICP 170#. IFL @ 4900'. Swabbed 19-1/2 BW. SI & SDFN. 244 BLWTR. DCC \$1000, CCC \$39908, TWC \$195487.

04/14/90 SITP 125#, SICP 170#. IFL @ 4900' w/150' oil. Recovered 8 BW. 1/2 BD @ noon. No fluid entry. Tagged PBSD w/ Sinker bars @ 5664. RD work over r.g. 236 BLWTR. OCC \$600. CCE \$40508. TWC \$196087.

04/17/90 SITP 475#, SICP 400#.

04/19/90 MIRU Patrick swab rig @ 7:00 p.m. SITP 475#, 400#. Blew down in 3 minutes. SI & SDFN

04/20/90 SITP 10#, SICP 140#, IFL @ 4900'. Swab 6 BW w/ 20'/hr fluid entry. RDMO @ 1:00 p.m. SI. 211 BLWTR. DCC \$700, CCC \$42,208, TWC \$197,787.

05/01/90 SITP 710# SICP 490#
05/07/90 SITP 130#. SICP 600#

05/08/90 RU Patrick swab rig. SICP 620#, SITP 20#, IFL @ 2900'. Well kicked off @ 10:30, flowed 2 hrs & died. Swabbed 5 hrs recovering 50'/hr. Total recovery 25 BF w/10 BBL black oil. 196 BLWTR. DCC \$1500, CCC \$43,708, TWC \$199,287.

05/09/90 SITP 100#, SICP 190#. Blew down. IFL @ 4400'. Swab down, w/ 50'/hr fluid entry. Total recovery @ noon 3 BW, 1 BO. SI & SD. Releases swab rig. DCC \$500, CCC \$44,208, TWC \$199,787.

5/23/90

ORIGINAL

SITP 500# SICP 700#
MIRU PATIRCK WELL SERVICE. BLEW DOWN WELL IN 5 MIN. NU BOP
POOH W/TBG. RU HLS, SET 4-1/2" CIBP @ 5450'. SHOOT 4 SQZ
HOLES @ 5150'. SET CMT RET @ 5130' RD HLS. RIH W/1-1/2
STINGER & 2-3/8" TBG. STING INTO RETAINER. RU DS. PUMP
7 BW @ 2.2 BPM @ 1000#. SQUEEZE ANNULUS W/20 BBLs MUD FLUSH
5 BBLs WTR SPACER, 200 SX CLASS H W/.8% FL, 3% KCL & .2%
ANTI-FOAMER @ 2.2 BPM. MAX PRESS. 970#. STING OUT OF
RETAINER REVERSE OUT. POOH W/TBG & STINGER. SI & SDFN.

5/24/90

WOC 18 HRS. RU HLS @ 1:00 P.M. RUN GR-CBL-CCL. PBDD @
5130'. TOC @ 5046'. PERF. MARMATON @ 5056' TO 5066' W/
2 SPF, 21 HOLES. RD HLS. RIH W/BAKER R4 PKR & TBG. PKR
WOULDN'T GO BELOW 1150'. POSSIBLE SALT OR PEARAFIN RING.
POOH W/TBG & PKR LD PKR. RIH W/SN 161 JTS 2-3/8" TBG.
OPEN ENDED. SET @ 5035' SI SDFN.

5/25/90

SITP 0# SICP 0# STRIP OFF BOP NU WELLHEAD. SWAB DOWN TO
3500'. RU DS. LOAD HOLE W/ 55 BBLs 2% KCL. ACIDIZE W/100
GAL 15% HCL. DISPLACE W/ 20 BW. RDP 1820# ATP 1400# @ 3.7
BPM. ISIP 550#. 5 MIN. 380#, 10 MIN. 340#, 15 MIN. 300#
126 BLTR. RD DS. SWAB BACK 133 BW. SLIGHT GAS SHOW.
RECOVER DRILLING MUD, COULD NOT GET BELOW 2700'. SI SDFN.
MUD ANALYZED. CONTAINS NO CEMENT. DCC: \$3,550 TCC: 17,391

05/26/90

RU DS Circulate 75 BBL 2% KCL water. Recover 10 BM. RD DS.
Swab down to 5000' @ 2:00 p.m. Establish 4.2 BWPH entry. Had
trace of oil, gas smell. Total recovery 20 BW overload. DCC
\$3150 TCC \$20,541

05/29/90

SITP 0, SICP 20#. MIRU Patrick Swab rig. Swab: 6 hrs.
Recover 2 BBL mud w/ 25' per hour entry. SI. ~~RDMO~~ DCC
\$650. TCC \$21,191

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

DS-496 PRINTED IN U.S.A.

ATTN NUMBER 17-2016	DATE 5-22-90
STAGE DS	DISTRICT WV-SPC X5

WELL NAME AND NO. Beck 1-16 for 16-22-316	LOCATION (LEGAL) Mansfield
FIELD-POOL Plainview	FORMATION Mansfield
COUNTY/PARISH Sevier	STATE T.S.
API. NO.	

RIG NAME Pateck Well Service	WELL DATA: BOTTOM TOP
BIT SIZE	CSG/Liner Size
TOTAL DEPTH	WEIGHT
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE
MUD TYPE	GRADE
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)
MUD VISC.	Disp. Capacity

NAME Packer, Pasley

AND _____

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS
Furnish equipment + materials to cement & squeeze well as per instructions

NOTE: Include Footage From Ground Level To Head in Disp. Capacity	
Float TYPE DEPTH	Stage Tool TYPE DEPTH
SHOE TYPE DEPTH	SHOE TYPE DEPTH
Head & Plugs <input checked="" type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double SIZE 2 3/8	TOOL TYPE cat retainer
<input type="checkbox"/> Single <input type="checkbox"/> WEIGHT 4.7	DEPTH 5130
<input type="checkbox"/> Swage <input type="checkbox"/> GRADE 55	TAIL PIPE: SIZE DEPTH
<input type="checkbox"/> Knockoff <input type="checkbox"/> THREAD 8.20	TUBING VOLUME 19.8 Bbls
TOP <input type="checkbox"/> OR <input type="checkbox"/> W <input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL 5 Bbls
BOT <input type="checkbox"/> OR <input type="checkbox"/> W DEPTH 5130	TOTAL ANNUAL VOLUME 57.8 Bbls

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 RECIPROCATE _____ FT No. of Centralizers _____

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
1800		10			2 1/2	1120					
1807		550	107		2 1/2	1120					
1808	10				2	1120					
1809	210		4.7		2	1120					
1811	660		7.1		2	1120					
1815	520		20		2	1120					
1824	800			5	2	1120					
1827	790		40		2	1120	15.6				
1844	710		198		2	1120					
1854	970				2	1120					
1855	220		30		3	1120					
1907	910			20	3	1120					
1905	650				3	1120					

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			CLASS	ADDS	ADDS	BBLs	DENSITY	
1.	200	1.18	class H+	2% D127	3% FC1	2% D410	42	15.6
2.			STAT					
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE MAX. _____ MIN. _____

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 19.8 Bbls TYPE OF WELL OIL STORAGE BRINE WATER GAS INJECTION WILDCAT

Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT _____ WIRELINE

PERFORATIONS _____ CUSTOMER REPRESENTATIVE _____ OS SUPERVISOR _____

CUSTOMER COPY
THE WESTERN COMPANY
 OF NORTH AMERICA

ORIGINAL
 SERVICE ORDER AND
 FIELD RECEIPT NO. **L 112171**

SHADED AREAS FOR ACCOUNTING USE ONLY

CUSTOMER NUMBER		INVOICE NUMBER		DISTRICT	STATE	TYPE	CLASS	GAS	ACCT.	TRANS.
CUSTOMER (COMPANY NAME) PARKER + PARSLEY				CREDIT APPROVAL NO.		PURCHASE ORDER NO.				
MAIL STREET OR BOX NUMBER		CITY		STATE		ZIP CODE				
INVOICE TO: 205 NW 63rd ST		220 OK City		OK		73106				
DATE WORK COMPLETED: 4/1/90	WESTERN SERVICE SUPERVISOR ARRINGTON-05779			WELL TYPE: (CHECK ONE) NEW <input checked="" type="checkbox"/> 1 OLD <input type="checkbox"/> 2						
WESTERN DISTRICT PEARAYTON-CEMENT		JOB DEPTH (FT.) 5736		WELL CLASS: (CHECK ONE) OIL <input checked="" type="checkbox"/> 1 GAS <input type="checkbox"/> 2 DISPOSAL <input type="checkbox"/> 3 INJECTION <input type="checkbox"/> 4						
WELL NAME AND NUMBER BECK 16-1		TD WELL DEPTH (FT.) 5715'		GAS USED ON JOB: (CHECK ONE) N ₂ <input type="checkbox"/> 1 CO ₂ <input type="checkbox"/> 2 NONE <input checked="" type="checkbox"/> 3						
WELL LOCATION: 16-32-31W		COUNTY SEWARD		STATE KANSAS		FIELD SALES AND SERVICE REPRESENTATIVE Powell				
ARRIVE LOCATION: 3/31/90 2400		SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.								
SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS		CUSTOMER AUTHORIZED AGENT								

THIS ORDER MUST BE SIGNED BEFORE WORK CAN COMMENCE.

UNITS	CODE	DEPTHS AND DESCRIPTION	UNIT PRICE	AMOUNT
22.0	K1005	MILEAGE (1 unit x 22 mi) LIBERAL	2.20	48.40
22.0	K1025	MILEAGE (1 unit x 22 mi) LIBERAL	.80	17.60
1.0	K2045	Pump SERV. 5000'	1155.00	1155.00
8.0	K2045A	Add FOOTAGE 715'	15.00	120.00
124.6	M1005	SERV. Chg. 124.6 FT ³	.95	118.37
122.4	M2305	Delv. Chg. 1123 # 5.5615 TNS	.70	85.68
620.0	P0615	KCL (Disp)	.21	130.00
100.0	P43-2N	CLASS-H Cnt 9,400# 100 FT	7.10	710.00
364.0	P08-27	SALT 564# 8.1 FT	.052	29.33
19.0	P2295	AF-11 19# 0 FT	2.40	45.60
200.0	P1785	HI-SEAL 200# 41 FT	.70	140.00
940.0	P2035	THINAD 940# 12.5 FT	.27	253.80
120.0	P3095	WMIU-1 (PREFLUSH)	.44	184.80
1.0	P3555	Top Plug 4 1/2" 5W	31.00	31.00
1.0	13150	Guide Shoe 4 1/2" -W-	110.00	110.00
1.0	16027	FLOAT COLLAR 4 1/2" -W-	220.00	220.00
4.0	17062	CENTRALIZERS 4 1/2" -W-	42.00	168.00
1.0	17129	Stop Ring 4 1/2" -W-	15.00	15.00
1.0	P9255	WESTWELD	20.00	20.00

JOB TYPE CODES		ACCOUNTING USE ONLY		CUSTOMER REP. LAST NAME	
STATE	113	SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORK-MAN LIKE MANNER.		360258	
CEMENTING SERVICES 10. CONDUCTOR 11. SURFACE 12. INTERMEDIATE 13. LONG 14. LINER 15. TIEBACK 16. PLUG & ABANDON 17. PLUG BACK 18. SQUEEZE 19. PUMPING (CEMENT) 20. BULK SALE (CEMENT)	STIMULATION SERVICES 30. ACID MATRIX 31. ACID FRACTURE 32. FRACTURE, 0-9,999 psi 33. FRACTURE, 10,000 + psi 34. PUMPING (STIM) 35. BULK SALE (STIM) 40. SAND CONTROL	CUSTOMER AUTHORIZED AGENT		WESTERN APPROVAL	
TOOL SERVICES 50. TOOL SALE 51. TOOL RENTAL 52. TOOL REDRESS 53. TOOL SERVICE					

THE WESTERN COMPANY
OF NORTH AMERICA

SERVICE ORDER AND
FIELD RECEIPT NO.

L 123841

SHADED AREAS FOR ACCOUNTING USE ONLY

ORIGINAL

CUSTOMER NUMBER		INVOICE NUMBER		DISTRICT	STATE	TYPE	CLASS	GAS	ACCT.	TRANS.
CUSTOMER (COMPANY NAME) <i>Parker & Douglas Pot. Co.</i>				CREDIT APPROVAL NO.		PURCHASE ORDER NO.				
MAIL STREET OR BOX NUMBER <i>205 N.W. 63rd Suite 220 Oklahoma City Okla.</i>				CITY		STATE		ZIP CODE <i>73116</i>		
DATE WORK MO. DAY YEAR COMPLETED: <i>3/23/90</i>		WESTERN SERVICE SUPERVISOR <i>Keeves 65264</i>		WELL TYPE: (CHECK ONE) NEW <input checked="" type="checkbox"/> 1 OLD <input type="checkbox"/> 2						
WESTERN DISTRICT <i>Permian - Permian</i>		JOB DEPTH (FT.) <i>1729'</i>		WELL CLASS: (CHECK ONE) OIL <input checked="" type="checkbox"/> 1 GAS <input checked="" type="checkbox"/> 2 INJECTION <input type="checkbox"/> 3						
WELL NAME AND NUMBER <i>Beck 1-16</i>		TD WELL DEPTH (FT.) <i>1729</i>		GAS USED ON JOB: (CHECK ONE) N ₂ <input type="checkbox"/> 1 CO ₂ <input type="checkbox"/> 2 NONE <input checked="" type="checkbox"/> 3						
WELL LOCATION: SECT/WP/RGE COUNTY STATE <i>16-32S-31W Seward Ks.</i>				FIELD SALES AND SERVICE REPRESENTATIVE						
ARRIVE MO. DAY YR. TIME LOCATION: <i>3/23/90 00:30</i>		SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.								
SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS		CUSTOMER AUTHORIZED AGENT: <i>[Signature]</i>								

THIS ORDER MUST BE SIGNED BEFORE WORK CAN COMMENCE.

UNITS	CODE	DEPTHS AND DESCRIPTION	UNIT PRICE	AMOUNT
35.0	K1005	Mileage - Hwy. Equip	2.20	77.00
35.0	K1025	Mileage - Pickup	.80	28.00
1.0	K2025	Pump Charge	875.00	875.00
3.0	K2025A	Additional Footage	4.00	12.00
883.2	M1005	Service Charge	.95	839.04
1296.0	M2305	Delivery Charge	.70	907.20
175.0	P392N	Class 'C'	7.50	1312.50
600.0	P482N	Pager Settled Life Prem.	7.50	4500.00
1209.0	P0527	Call Hour (Florida)	.316	382.04
1200.0	P1785	High Beach	.70	840.00
2.0	P3255	Thread	20.00	40.00
1.0	P3625	Rubber Plug	82.00	82.00
1.0	13335	Guide Shoe	220.00	220.00
1.0	17299	Insert Float w/AFU	290.00	290.00
4.0	17068	Centralizers	58.00	232.00
1.0	17135	Stop Collar	19.00	19.00
2.0	K2105	Additional Hours	140.00	280.00
		Field Est.		10876.78

JOB TYPE CODES		ACCOUNTING USE ONLY		CUSTOMER REP. LAST NAME <i>Stafford</i>	
CEMENTING SERVICES 10. CONDUCTOR 11. SURFACE 12. INTERMEDIATE 13. LONG 14. LINER 15. TIEBACK 16. PLUG & ABANDON 17. PLUG BACK 18. SQUEEZE 19. PUMPING (CEMENT) 20. BULK SALE (CEMENT)		STIMULATION SERVICES 30. ACID, MATRIX 31. ACID, FRACTURE 32. FRACTURE, 0-999 psi 33. FRACTURE, 10,000 psi 34. PUMPING (STIM) 35. BULK SALE (STIM) 40. SAND CONTROL		SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMAN LIKE MANNER. CUSTOMER AUTHORIZED AGENT: <i>[Signature]</i> WESTERN APPROVAL: X	
TOOL SERVICES 50. TOOL SALE 51. TOOL RENTAL 52. TOOL REDRESS 53. TOOL SERVICE		III MC I I			

Beck #1-16

Well Bore Schematic
CALCULATIONS AND DESIGN DATA

PREPARED BY

MB

DATE

6/17/90

SUBJECT

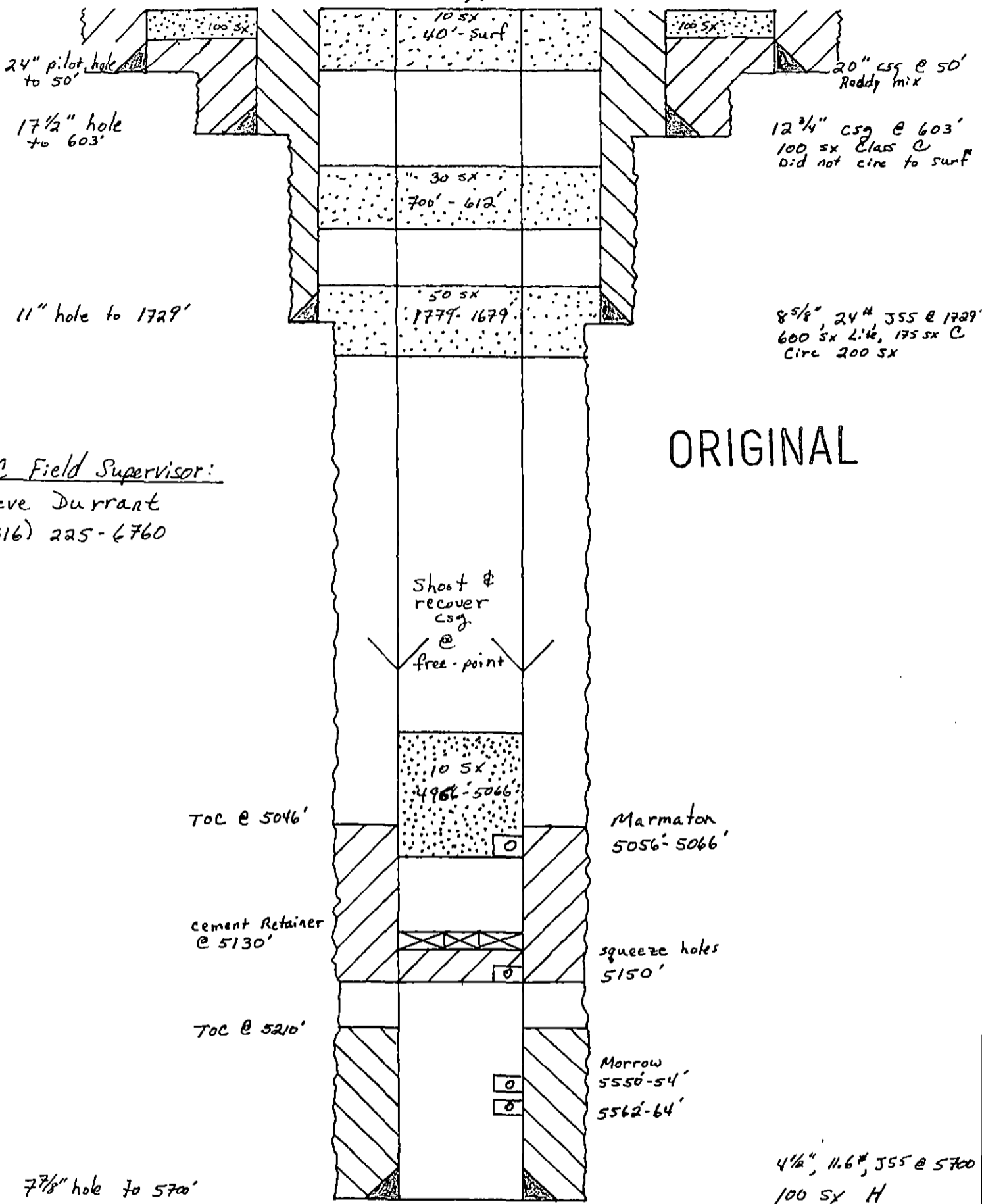
80' W & 90' N of S21NE1NW

SHEET

OF

Sec 16-32S-31W

Seward County, KS



ORIGINAL

KCC Field Supervisor:
Steve Durrant
(316) 225-6760

57

JUN 13 1990

4 1/2" 11.6# J55 @ 5700
100 SX H

Beck #1-16

Seward County, KS

6/7/90

80' W & 90' N of S2/NE/NW

Sec 16-32S-31W

ORIGINAL

WOC @ 5700'

Cementing @ 5700' (4 1/2")

Logging @ 5700'

TD @ 5510'

TD @ 5035'

TD @ 4665'

TD @ 4035'

Stuck @ 3946'

TD @ 3581'

TD @ 2710'

Set Surface @ 1729' (4 5/8")

TD @ 1729'

TD @ 1715'

Set conductor @ 603' (12 3/4")

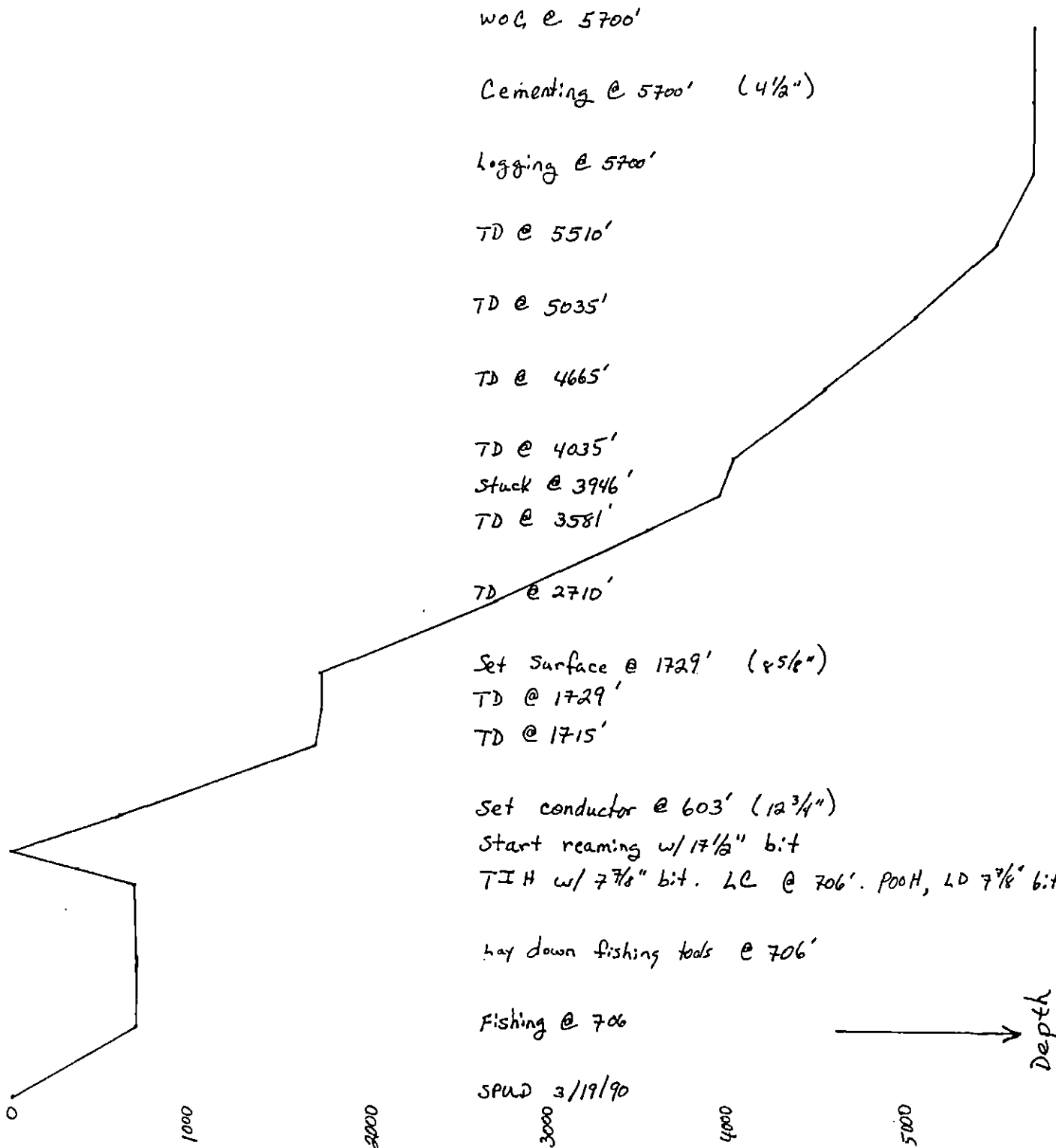
Start reaming w/ 17 1/2" bit

TIH w/ 7 7/8" bit. LC @ 706'. POOH, LD 7 7/8" bit

lay down fishing tools @ 706'

Fishing @ 706'

SPUD 3/19/90



Days Since Spud ↑

Depth →

0 1000 2000 3000 4000 5000 6000

JUN 13 1990