

Daily Completion Report

Date 10/26/93 Well Name OTTOSON 32-15 AFE # 050111100121
Operating Days _____ Legal Desc: SW-SG Sec. 32 T 7N R 65W Contractor: GUNTER #5
TD 7412' PBTD 7322' RBPC CIBP 6800' ^{CR} PKR @ 3920' 128 JTS Tbg Landed @ 3808'
CSG size/Wt/Grade 4 1/2 | 11.6 | 11-75 Tbg size/Wt/Grade 2 3/8 | 4.7 | 1WC-50
Formation CODOL / PARKMAN Perforations 7208-7218' /
Current Operation LOG & PERF PARKMAN

Operations Past 24 Hours

Tbg: _____ psi Csg: _____ psi Start Time: _____ Stop Time: _____
REVERSE HOLE CLEAN TO 3892'. PULL TEG & BIT. RUN ASAP PERFORATORS. RUN
A GR/CEM/NDL/CCL LOG FROM 3885' TO 3900' & PRESS. 1000PSI. GOOD BOND
FROM 3870' TO 3710', FAIR BOND TO 3440'. PERF PARKMAN AT 3816-3818' w/ 3/8" CSG. GUN
8 HOLES. 36 EHD. RUN 128 ITS. TURNING - SET AT 3808' NDBOP + NUWH. MAKE 4
SWAB RUNS FROM 3200' - RECOVER 33 BLW - NO SHOWS. SHUT IN - RIG DOWN
UNIT.

TUBING DETAIL: 128 ITS, 3796.87'

NCF3N

1.50

KB

10.50'

112.5 TS. 3360.87' ON GROUND.

3808.37'

SUPERVISOR E.W. Oatemeire

COST ESTIMATE

INTANGIBLE	DAILY	CUM	TANGIBLE	DAILY	CUM
2501 Location, Roads, Survey & Damages			2621 Production Liner		
2505 Drilling Contr - Daywork Contract			2622 Production Casing		
2510 Fuel			2623 Tubing		
2511 Bits			2624 Tree		
2516 Drilling Fluids			2625 Pumping Unit & Engine		
2519 Cement & Services			2627 Subsurface Equipment		
2521 Cased Hole Logging & Perforating			2629 Flow Line & Connections		
2522 Equipment Rentals			2630 Separation/Treating Equipment		
2526 Contract Services			2631 Storage Tanks		
2529 Completion Unit			2633 Other Lease Equipment		
2532 Stimulation					
2535 Well Testing					
2539 Professional Services					
2543 Transportation & Communication					
2544 Administrative Overhead					
2547 Other					
Total Intangibles			Total Tangible		
			Completion Cost		
			Drill Cost		
			Total Cost		

SNYDER OIL COMPANY

Date 10/21/93 Well Name OTTOSON 32-15 AFE # 050111100121
Operating Days _____ Legal Desc: SW-SE Sec. 32 T. 7N R. 65W Contractor: GUNTER #5
TD 7412' PBDT 7322' RBPCIBP 6800' ^{CICR} PKR @ 3920' _____ Tbg Landed @ _____
CSG size/Wt/Grade 4 1/2 / 11.6 / WC-75 Tbg size/Wt/Grade 2 3/8 / 4.7 / WC-50
Formation COOKE/PARKMAN Perforations 7208-7218'/3816-3823'
Current Operation CEMENT SQUEEZE PARKMAN PERMS.

Operations Past 24 Hours

Tbg: _____ O psi Csg: _____ O psi Start Time: _____ Stop Time: _____
 MIRU GUNTER W.S. NDWH + N80P. RUN 4 JTS. TBG OFF GROUND - NO FILL TO RETAINER.
 REVERSE CLEAN W/ 60 BBL WTR. LAY DN 4 JTS. PULL 6 JTS. TBG @ 3622' RU
 HALLIBURTON. PUMP 20 BBL. CACL WTR - 3 BBL WTR. SPACGR. 10 BBL SUPER FLOSH - 3
 BBL WTR. SPACER. BREAK FORM @ 1700 PSI 2.5 BPMR. PUMP 75' SX 75' X 25' POZ MIX
 W/ 2% GEL, 5/10% HALAD 344, 5/10% GFR3. DISPLACE W/ 16 3/4 BBL WTR @ 1/4 - 1/2 BPM
 RATE - 1500 PSI. STAGE LAST 1/4 BBL TO 1500 PSI. OVER 40 MIN. RELEASE PSI.
 SQUEEZE HOLD. PULL 6 JTS - TBG @ 3444'. SHUT IN.

SUPERVISOR E. W. DUEMEIER

COST ESTIMATE

[illegible]

Daily Completion Report

Date: 10-6-93 Well Name: Ottoson 32-15 AFE#: 05-01111-001-21

Directions: RD 74 & RD 41, 1/2 N. 1/4 W. 1/4 S. W into

Oper. Days: _____ Legal Desc: SW/SE Sec. 32 T 7N R 65W Contr: B C #1

TD 7412 PBDT 7322 CIBP 6800 Retainer @ 3920 Tbg Landed@

Csg size: 4 1/2" 11.6# WC-75 8rd LT&C Tbg size/Wt/Grade 2 3/8" / 4.7# / WC-50

Formation: Codell / Parkman Perforations: 7208-7218 / 3816-3823

Current Operation: Prepare to complete Parkman

Operations Past 24 Hours

Tbg: _____ psi Csg: _____ psi Start Time: _____ Stop Time: _____

Open well, no pressure. PU tbg to tag cmt @ 3660. RU drlg equipment. Drill cement to 3730 & fell free. PU tbg to tag cmt on retainer @ 3917. Circ hole clean w/clay-fix water w/biocide. TOOH. RU OWP & run CBL-GR from 3917 to 3000. Showed 40% bond from TD to 3826, 100% from 3826 to 3780, 90% to 60% from 3826 to 3080. RU BC pump & pressure test csg & squeeze hole to 2000 psi. Held OK 15 min. PU 3 1/8" perforating gun & TIH. Perforate from 3816-3823 w/2 spf, .39 EHD. Max BHT-180 degrees F. RD OWP. PU 2 3/8" notched collar & seating nipple, 128 its tbg to land in BOP @ 3804' KB. Shut well in w/BOP & stabbing valve. SDFN.

SUPERVISOR

COST ESTIMATE

INTANGIBLE	DAILY	CUM	TANGIBLE	DAILY	CUM
2501 Loc,Rds,Sur,Dam			2621 Prod Liner		
2505 Drlg contr-Day			2622 Prod Csg		
2510 Fuel			2623 Tubing		
2511 Bits			2624 Tree		
2516 Drlg Fluids			2625 P U & Eng		
2519 Cmt & Serv			2627 Subsurf Equip		
2521 Log & Perf			2629 F L & Conn		
2522 Equip Rentals			2630 Sep/Trtr		
2526 Contract Services			2631 Storage Tanks		
2529 Completion Unit			2633 Other		
2532 Stimulation					
2535 Well Testing			TOTAL TANGIBLE		
2539 Prof Services			COMPLETION COST		
2543 Trans & Comm			DRILL COST		
2544 Admin Overhead					
2547 Other					
TOTAL INTANGIBLES			TOTAL COST		

INTANGIBLE	DAILY	CUM- ...	TANGIBLE	DAILY	CUM
2501 Loc,Rds,Sur,Dam			2621 Prod Liner		
2505 Drlg contr-Day			2622 Prod Csg		
2510 Fuel			2623 Tubing		
2511 Bits			2624 Tree		
2516 Drlg Fluids			2625 P U & Eng		
2519 Cmt & Serv			2627 Subsurf Equip		
2521 Log & Perf			2629 F L & Conn		
2522 Equip Rentals			2630 Sep/Trtr		
2526 Contract Services			2631 Storage Tanks		
2529 Completion Unit			2633 Other		
2532 Stimulation					
2535 Well Testing			TOTAL TANGIBLE		
2539 Prof Services			COMPLETION COST		
2543 Trans & Comm			DRILL COST		
2544 Admin Overhead					
2547 Other					
TOTAL INTANGIBLES			TOTAL COST		

SNYDER OIL COMPANY
Daily Completion Report

Date: 10-4-93 Well Name: Ottoson 32-15 AFE#: 05-01111-001-21
Directions: RD 74 & RD 41. 1/2 N. 1/4 W. 1/4 S. W into
Oper. Days: _____ Legal Desc: SW/SE Sec. 32 T 7N R 65W Contr: B C #1
TD 7412 PBTD 7322 CIBP 6800 Retainer @ 3920 Tbg Landed@ _____
Csg size: 4 1/2" 11.6# WC-75 8rd LT&C Tbg size/Wt/Grade 2 3/8" / 4.7# / WC-50
Formation: Codell Perforations: 7208-7218
Current Operation: Prepare to complete Parkman

Operations Past 24 Hours

Tbg: _____ psi Csg: _____ psi Start Time: _____ Stop Time: _____

Open well, no pressure. TIH & tag cmt @ 3910'. TOOH w/tbg. RU OWP. Run CBL-GR from 3914 to 3500. Showed 30 to 80% bond from 3914 to 3650. 50% thru Parkman & 10' on each side. RD OWP. Pressure csg to 1600 psi & started pumping into to squeeze hole PU Arrow 32-A tension packer & TIH. Set packer @ 3586'. RU Halliburton & squeeze w/50 sx type G cmt w/10% salt. .6% Halad 322. & .1% HR-7. Displace cmt to 3680'. Shut in w/1000 psi. RD & release Halliburton. SDFN.

SUPERVISOR

Larry Webb

COST ESTIMATE

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SNYDER OIL COMPANY
Daily Completion Report

Date: 10-2-93 Well Name: Ottoson 32-15 AFE#: 05-01111-001-21
Directions: RD 74 & RD 41, 1/2 N. 1/4 W. 1/4 S. W into
Oper. Days: _____ Legal Desc: SW/SE Sec. 32 T 7N R 65W Contr: B C #1
TD 7412 PBDT 7322 CIBP 6800 Retainer @ 3920 Tbg Landed@ _____
Csg size: 4 1/2" 11.6# WC-75 8rd LT&C Tbg size/Wt/Grade 2 3/8" / 4.7# / WC-50
Formation: Codell Perforations: 7208-7218
Current Operation: Prepare to complete Parkman

Operations Past 24 Hours

Tbg: _____ psi Csg: _____ psi Start Time: _____ Stop Time: _____

RU OWP. TIH to 6900' w/gauge ring & junk basket. PU Cast Iron Bridge Plug & TIH & set @ 6800'. Run CBL/GR from 4030' to 3610 while holding 1000 psi on csg. Showed no cmt bond from 4030 to 3800. Showed less than 10% bond from 3800 to 3725. Showed 20% to 90% bond from 3725 to 3610. PU 3 1/8" perforating gun & TIH. Perforate squeeze hole @ 3960' & a squeeze hole @ 3730'. PU Halliburton 4 1/2" EZ-SV Retainer. TIH & set @ 3920'. RD OWP. PU EZ-SV stinger & TIH w/tbg. Sting into retainer. Stack out tbg weight on retainer. RU Halliburton. Pump into bottom squeeze hole. Could not brk circ. Pump down annulus to try to brk down top squeeze hole. Would not circ. TOOH w/tbg. RU OWP. TIH w/3 1/8" perforating gun & perforate @ 3800' w/1 shot. TIH w/tbg & stack out on retainer. Pump thru retainer @ 1 1/2 bpm @ 2800 psi. Had small amount of returns thru top hole. Mix 50 sx type "G" cmt w/10% salt. .6% Halad 322. & .1% HR-7. Displace w/14 1/2 bbls water. Pull out of retainer & reverse out cmt. Pull 10 stds tbg. Shut well in. SDFN.

SUPERVISOR

Larry Webb

COST ESTIMATE

INTANGIBLE	DAILY	CUM	TANGIBLE	DAILY	CUM
2501 Loc, Rds, Sur, Dam			2621 Prod Liner		
2505 Drlg contr-Day			2622 Prod Csg		
2510 Fuel			2623 Tubing		
2511 Bits			2624 Tree		
2516 Drlg Fluids			2625 P U & Eng		
2519 Cmt & Serv			2627 Subsurf Equip		
2521 Log & Perf			2629 F L & Conn		
2522 Equip Rentals			2630 Sep/Trtr		
2526 Contract Services			2631 Storage Tanks		
2529 Completion Unit			2633 Other		
2532 Stimulation					
2535 Well Testing					
2539 Prof Services					
2543 Trans & Comm					
2544 Admin Overhead					
2547 Other					
TOTAL INTANGIBLES			TOTAL TANGIBLE		
			COMPLETION COST		
			DRILL COST		
			TOTAL COST		