

Well Construction

ITEM VI

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C-108 Area of Review - Presentation: **Visual**
C-108 Well Construction

Proposed Carter-Shipp Strawn Unit
Form C-108 - Area of Review

Initial Completion and Subsequent Workovers.

Well Name	Date Completed	Depth- ft Total PB	Initial Perforations Top Bottom	Comments - Initial Completion	Notes and Subsequent Completions.	
Burton 1	9/14/1979	11,700' 9,625'	10,784' 10,974' 11,262' 11,272'	40 Shots, 2,500 gal 15% Acid on 8/5 - 8/7/79. 20 Shots. Acidize both w/ 2,500 gals., Swab 7/29/79. Set RBP @ 10,850' (in upper set of perfs) w/ 3 sx sand. Ssz w/ 100 sx to 5,000 psi. Two intervals; 10556-574, 72 shots, 1500 gals acid and 10500-507, 20 shots, 1000 gals acid. Swab test. 8/13-8/14/79 EZ Drill cmt retainer at 10,470' & Ssz w/ 100 sx to 4,500 psi. 08/15/1979. 48 Shots on 8/17/79, Acidize w/ 500 gals. Swab Test. EZ Drill cmt retainer at 10,360' & Ssz w/ 150 sx to 4,500 psi. CIBP at 9,660' w/35' cement. PBTD 9,625'. 40 Shots in San Andres. 2,000 gal 15% Acid, 8/26/1979. Set pumping unit 9/20/1979.		
Carter 1	4/16/1985	11,775 11,545	11,361' 11,469'	29 Shots. 5,000 gals Acid	Oct-1992. Cmt Ssz. Perf 5900' & Squeeze	
Carter 2	6/15/1985	11,750' 11,698	11,371' 11,393'	12 holes. 2,000 gals Acid	Sept 23-30, '92. Set BP 10,645'. Perf 5,926. Ssz 250 sx. Drill out cmt, recover BP. RIN w Prod equip.	
Freeman ACF 1	6/11/1985 to 8/20/1985	11,850 11,605	10,973' 11,014' 11,038' 11,071.5' 11,467' 11,498' 11,667' 11,498'	12/12/85 Acidize existing perfs 10,973-11,014' w/ 2,500 gal 15% acid 09/06/86 CIBP @ 10,920' w/35' cmt on top. Perf 10,253'-334', 44 holes, 2,500 gal Acid 09/10/86 Perf 10,135-192', 36 holes, 2,500 gal Acid. 09/12/86 Perf 10,057-107', 28 holes, 2,500 gals. Swab, no show. 10/06/86 Equip well for water injection service. 11-15-04 Prd lbg. Pull, fish 4,819' of lbg, left 5,104'. couldn't get below 4,560'. OCD says OK to Plug. 5-1/2" csg liner tied into original liner @ 4843' and ran to surface. Cement volume not reported, subsequent free casing collapse occurred and repaired in March 21, 1968. Recovered all tubing. Swage out 5-1/2" csg then cut and pull from 2,776'. Swage out 8-1/2" csg. Dress 5-1/2" stub and tie on 5-1/2" line w/ Baash-Ross csg bowl at 2,780'. Punch holes, and circulate cement from bottom hole 4365' to surface		
H T Montieth B 1	3/26/1953	11,431 11,338	11,296 11,330	5,000 gals 15% Acid	5/30/85: Perf 11,011-28', 10 holes. 1,000 gals Acid. Set BP at 11,0830'. 6-6-85 Perf 10,975'-10,995'; 11 holes. 5,000 gals Acid. 6-7-85 5,000 gals 15% Acid for 10975-11028. 6-12-85 25,000 gals acid w/ 110 gals each scale & corrosion inhibitor. 6-16-94 Set CIBP @ 10,900' w/ 35' cmt on top. 6-18-94 Perf to szz @ 6900. Ssz w/ 300 sx. 6-21-94: Perf 6,395-6,403' w/ 18 holes. 500 gal Acid. 6-24-94: Acidize Paddock 6395-6403' w. 10,000 gals. 8-27-94: Frac w/ 55,000 gals & 110,000 lbs sd. 5-02-04: CIBP 6,350' w/ 35' cmt. TOC 4,915'. 5-04-04: Perf San Andres 5226-5238 (28 holes) and 4,975-5,008', 70 holes. 4,000 gal 15% acid 5-10-04. Note-Casing is parted at 4045'. Plan to P&A 6-28-85: Acidize original completion 11,461'-475' w/ 10,000 gal 4-09-03: Cut 5.5 csg @ 3,454' & dress. CO to PBTD 11,498'. Set CIBP at 9,200' 6-05-03: Ssz holes 4,730'-4,763'. 5,824-6,089' & 8,070-8,230' 6-11-03: Drill retainer, cement and CIBP at 9,200'. Hole open to 11,498'. 6-19-03: Return open Strawn perfs at 11,461'-11,475' to production service. 8-15-03: Ssz holes 8,014'-8,200' w/ 150 sx. 5-15-87: add 11,459'-66' (10 holes), 11,422'-27' (10 holes), 4,000 gal 15%. 9-02-03: CIBP @ 11,380' w/35' cmt. TOC 11,245'. 9-03-03: Perf 10,921'-27' (14 holes), 10,931'-35' (10 holes) 10,938'-48' (22) 10,952'-60' (18 holes), 10,964-84 (42) 106 holes. 10,000 gal Acid.	
Shipp Z1 1	6/23/1984	11,850 6,840	11,546 11,551 11,414 11,464 11,436 11,441 11,472 11,494	10 shots. 1,000 gals Acid. Set Cmt Rtn & sz 100 sx. 15 shots. 1500 gals Acid. Acidize 11,414'-11,441' w/ 20,000 gals 20% acid. 7 shots. 1,500 gals Acid.		
Shipp Z1 2	1/15/1985	11,862 11,475	11,526' 11,532' 11,461' 11,475'	1-4-85: 10 holes sand treat w/ 1,000 gal 15% acid. 1-9-85: Set rtn @ 10,505' & szz 11526-32 w. 150 sx to 4,000 psi. 1-9-85: 10 holes & treat w/ 500 gals 15 % acid.		
Shipp Z1 3	10/26/1985	11,902 11,818	11,439' 11,444'	10 holes, 1985, treat w/ 1,500 gals 15% Acid		
Speight 2	8/21/1985	11,675 11,620	11,331 11,339	32 holes, 3,000 gal acid, 28,000 gal 20% Acid Frac.		

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Tabulation of wells in area of review

Proposed Carter-Shipp Strawn Unit
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Plug and Abandon Data

Well Name	Location		Type	Depth- ft		P&A Date	Perforating and plug data
	Sec.	Twn Rng		Total	PB		
Burlion 1	28J	16S 37E	Gas	11,700	9,625	04/22/81	35 sk plug 6,180'-6,350'; 50 sk plug 4,944'-5,090'; 40 sk plug 3,617'-3,760' and 50 sk plug at 650' -750'. Place 11 sk surface plug and set set marker. Well plugged 4/22/1981.
Note: Workover history shows that prior to P&A operations the top plug is a CIBP at 9,650' w/ 35' of cement on top. Placed Sept 79 during initial completion attempts.							
Carter 1	28-A	16S 37E	Oil	11,775	11,545	11/01/97	Set CIBP @ 11,300' Spot 30 sk plug at 9,350', spot 30 sk plug at 6,280' Cut 5-1/2" csg at 4,875' and POOH with casing Spot 60 sk plug at 4,925' & tag. Spot 45 sk plug at 4,260' & tag. Spot 45 sk plug at 2,000'. Spot 45 sk plug at 410'. Spot 10 sk surface plug from 30' to surface. Set marker. Set CIBP at 11,300' and spot cmt from 11,300' to 11,200'. Spot 30 sk plug at 8,900', spot 30 sk plug at 6,350' and spot 25 sk plug at 4,850'. Cut 5-1/2" csg at 4,250' and pull casing. Spot 75 sk plug from 4,200' (50' inside csg) to 4,105'. Spot 45 sk plug at 3,245', spot 45 sk plug at 2,200', spot 45 sk plug at 440'. Spot surface plug of 10 sk from 10' to surface. Cut csg and wellhead 10' below surface. Set P&A marker. 12-09-04, While POOH w/bq to plug well, the bq parted. Left about 5,100' of bq in well w/top @ 4,560'. Per OCD, Saz 200 sx. Tag @ 5,213', pmp 26 bbls 0 psi. Saz 200 sx no pressure, displs w/ 19.5 bbl 850 psi. Tag 3,432'. Check w/ NM OCD, OK to perf & squeeze. Perf 3,430' & sqz 35 sx. Tag 3,296'. Perf @ 2,500' & sqz 40 sx, tag 2,355'. Perf 505', sqz 35 sx, tag 385'. Cut off wellhead, spot 20 sx from 60' to surface. Set marker. CIBP @ 11,250'; perfs @ 9,375' (plug tagged 8950'), @ 6,375' (plug tagged 6339' and another at 6239'), @ 5090' (plug tagged 4905'), plug @ 3030', 2175' (tagged at 1875'), 390' (tagged at 250'), and 10' to surface Set CIBP at 11,250' with 35' of cement. Top of cement at 11,215'. Perforate 9,375', tag TOC at 8950 Perforate 6,375', tag TOC at 6339 & 6239 Perforate 5,090', tag TOC at tag 4905 Perforate 3,030', tag TOC at Set 10' surface plug and set marker. Attempt to set CIBP. Could not get below 4020' w/ CIBP. Work bq to 4,949', Spot 25 sk plug 4,715'-4,949'. Perforate at 4,375' & sqz 100 sx, tag TOC at 3,976'. Set pkr @ 1,986', sqz 50 sk plug, tag TOC at 2,177'. Perforate at 500' & sqz 50 sx, tag TOC at 397'. Perforate at 60'(60' surface, 72' KB), circulate cement down casing and to surface. Cut off wellhead and set marker. Set CIBP @ 11,411' with 35' of cement. Top of cement at 11,376'. Set 25 sk plug at 9,831'-10,084'. Perforate at 9,800', sqz 40 sx. Tag TOC at 9,692'. Perforate at 6,200', pressure to 2,000 psi. Could not pump in, spot 25 sx @ 6,010'-6,246'. Perforate at 4,369', sqz 40 sx. Attempt to tag, no lag. Saz another 40 sx. Tag at 2,047'. Perforate at 505', sqz 50 sx, attempt tag, no lag. Saz another 50 sx. Tag at 390'. Perforate at 60', circulate cement to surface. Set marker. Set CIBP in 5-1/2" csg at 10,890' and spot 35 cement. Tag TOC 10,850'. Tubing stuck in hole. Cut bq at 11,315' and POOH. Left 47 ft of 2-7/8" bq in hole. Set CIBP in 5-1/2" csg at 10,890' and spot 35 cement. Tag TOC @ 4,747'. Spot plug of cement from 7,701'-7,948'. Perforate 4,922' & sqz 35 sx. Tag TOC @ 4,747'. Perforate 4,369' & sqz 35 sx. Est. TOC 4,219'. Perforate 2,170' & sqz 35 sx. Tag TOC @ 2,019'. Perforate 487' & circulate 130 sx down casing and up to surface. Cut off wellhead & install marker. Set CIBP @ 10,383' with 35' of cement. Top of cement at 10,348'. Cut 5.5" csg at 8,884' but could not pull. Spot 15 sx cement from 8,757' to 8,910'. Cut 5.5" csg at 8,502' and pull. Spot 40 sx cement from 8,405' to 8,552'. Spot 35 sx cement from 4,148' to 4,250'. Spot 35 sks at 450' and 10sx at surface to 50'. Install P&A Marker.
Carter 2	28-G	16S 37E	Oil	11,750	11,698	11/01/99	
Freeman ACF 1	22-M	16S 37E	SWD	11,850	11,605	12/13/04	
Note: History prior to P&A ops, the top plug, a CIBP @ 10,920' w/ 35' cement.							
H T Monlieth B 1	19-C	16S 37E	Oil	11,431	11,338	09/08/04	
Note, the workover and recompletion history shows the PBTD at 4,915' on							
Shipp Z1 1	27-C	16S 37E	Oil	11,850	6,840	11/12/04	
Note, the workover and recompletion history. PBTD at 4,915' on 05/02/04.							
Shipp Z1 2	27-D	16S 37E	Oil	11,862	11,475		
Shipp Z1 3	27	16S 37E	Oil	11,902	11,818		
09/02/03, CIBP @ 11,380' w/ 35 cmt. TOC 11,245'.							
Speight 2	28F	16S 37E	Oil	11,675	11,620	04/24/09 to 04/30/09	

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