

1625 N. French Dr  
 Hobbs, NM 88241-1980  
 District II - (505) 748-1283  
 811 S. First  
 Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Road  
 Aztec, NM 87410  
 District IV - (505) 827-7131

New Mexico  
 Energy Minerals and Natural Resources Department  
 Oil Conservation Division  
 2040 South Pacheco Street  
 Santa Fe, New Mexico 87505  
 (505) 827-7131

Form C-140  
 Revised 06/9

SUBMIT ORIGINAL  
 PLUS 2 COPIE  
 TO APPROPRIATE  
 DISTRICT OFFICE

APPLICATION FOR  
 WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address Cross Timbers Oil Co. 2700 Farmington Avenue, Building K, Suite 1 Farmington, NM 87401							OGRID Number <b>167067</b>		
Contact Party Thomas DeLong							Phone 505-324-1090		
Property Name R/H HARGRAVE <del>PL</del> L					Well Number 1		API Number 30-045-06801		
UL M	Section 04	Township 27N	Range 10W	Feet From The 990'	North/South Line SOUTH	Feet From The 790'	East/West Line WEST	County SAN JUAN	

II. Workover

Date Workover Commenced: 01/05/00	Previous Producing Pool(s) (Prior to Workover): <b>INSTALLED COMPRESSOR</b>
Date Workover Completed: 01/11/00	

- III. Attach a description of the Workover Procedures performed to increase production.  
 IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of New Mexico )  
 ) ss.  
 County of San Juan )

Thomas DeLong, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature [Signature] Title Production Engineer Date 12-18-00  
 SUBSCRIBED AND SWORN TO before me this 19<sup>th</sup> day of December, 2000

Notary Public [Signature]

My Commission expires: 6/10/03

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 1/11/00.

Signature District Supervisor <u>[Signature]</u>	OC District <u>3</u>	Date <u>2/17/01</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

# CROSS TIMBERS OPERATING COMPANY

SAN JUAN DISTRICT

WELL RESTORATION

Monday, December 18, 2000

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**HARGRAVE, RP L**

**WELL # 1**

**RESERVOIR: DAKOTA**

**OBJECTIVE: Install Compressor**

- 1/6/00 Built comp & sep pad. MI & set new Weatherford WH recip comp (Arrow 330, CTOC dist tool SJB #12950) & new Permian Fab 30" x 10', 250 psig WP, 3ph, vert sep w/heated wtr bath (SN 2164-2) fr/CTOC yard. SDFN.
- 1/7/00 Installed sep inlet & gas outlet to comp suc w/suc control manifold. Built sep oil & wtr dump lines. Began installing scrubber dump line. SDFN.
- 1/8/00 Completed installation of comp disch, by-pass, & scrubber dump lines. Comp & sep installation completed. SDFN. Scheduled start up 1/10/00.
- 1/9/00 SDF Saturday, 1/8/00. Scheduled start up 1/10/00.
- 1/10/00 SDF Sunday, 1/9/00. Scheduled start up 1/10/00.
- 1/11/00 SD WO Weatherford to reschedule start up.
- 1/12/00 Op tbg & std new Weatherford WH recip comp (Arrow 330, CTOC dist tool SJB #12950) @ 1:45 p.m. 1/11/00.

Well: R P HARGRAVE L No.: 001

Operator: CROSS TIMBERS OPERATING COMPANY

API: 3004506801

Township: 27N Range: 10W Section: 4 Unit: M Type: F

County: Sa Accumulated Oil: 4591(BBLS) Gas: 951284(MCF) Water: 891(BBLS) Days Produced: 6037

Year: 1977

Pool Name: BASIN DAKOTA (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produced	Accum. Oil	Accum. Gas(MCF)
January	70	6942	0	31	70	6942
February	70	6848	0	31	140	13790
March	68	6397	0	28	208	20187
April	60	7033	0	31	268	27220
May	70	6889	0	30	338	34109
June	63	6130	0	24	401	40239
July	20	6296	0	30	421	46535
August	50	6947	0	31	471	53482
September	34	6365	0	31	505	59847
October	13	5397	3	30	518	65244
November	71	7282	3	31	589	72526
December	36	7139	0	30	625	79665

Year: 1978

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produced	Accum. Oil	Accum. Gas(MCF)
January	80	7381	0	31	705	87046
February	65	7519	1	31	770	94565
March	50	5227	1	28	820	99792
April	24	5425	1	31	844	105217
May	26	4937	1	30	870	110154
June	40	4598	1	31	910	114752
July	50	5790	1	30	960	120542
August	47	4773	1	31	1007	125315
September	52	5547	1	31	1059	130862
October	63	5807	1	30	1122	136669
November	50	6690	1	31	1172	143359
December	50	6575	1	30	1222	149934

Year: 1979

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produced	Accum. Oil	Accum. Gas(MCF)
January	81	7345	2	31	1303	157279
February	0	6475	0	30	1303	163754
March	0	5988	2	28	1303	169742
April	0	6622	1	31	1303	176364
May	20	6329	1	30	1323	182693
June	27	5228	1	23	1350	187921
July	26	5018	1	30	1376	192939
August	27	4875	1	31	1403	197814
September	7	5174	1	31	1410	202988
October	60	5945	1	30	1470	208933
November	53	5047	1	31	1523	213980

December	27	6428	1	30	1550	220408
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Year:1980

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil Accum.	Gas(MCF)
January	52	4319	1	31	1602	224727
February	52	4967	1	31	1654	229694
March	40	6028	1	29	1694	235722
April	104	6380	1	30	1798	242102
May	55	6299	1	30	1853	248401
June	18	5482	1	31	1871	253883
July	0	4152	1	30	1871	258035
August	0	3608	1	31	1871	261643
September	34	6167	1	31	1905	267810
October	15	2214	1	11	1920	270024
November	40	5653	1	23	1960	275677
December	44	6213	1	30	2004	281890

Year:1981

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil Accum.	Gas(MCF)
January	88	6230	1	31	2092	288120
February	56	6204	1	31	2148	294324
March	27	5406	1	28	2175	299730
April	55	5538	1	31	2230	305268
May	18	3946	1	30	2248	309214
June	35	2924	1	31	2283	312138
July	8	3211	1	22	2291	315349
August	25	3985	1	31	2316	319334
September	12	4069	1	29	2328	323403
October	0	4093	0	30	2328	327496
November	1	6215	0	31	2329	333711
December	82	5777	0	30	2411	339488

Year:1982

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil Accum.	Gas(MCF)
January	35	6244	0	31	2446	345732
February	85	5658	0	31	2531	351390
March	43	4583	0	28	2574	355973
April	38	2705	0	23	2612	358678
May	2	1095	0	30	2614	359773
June	13	43	0	15	2627	359816
July	0	0	0	0	2627	359816
August	22	3207	0	26	2649	363023
September	9	1848	0	31	2658	364871
October	3	2545	0	30	2661	367416
November	12	5395	0	31	2673	372811
December	51	5249	0	30	2724	378060

Year:1983

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil Accum.	Gas(MCF)
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January	127	5733	0	31	2851	383793
February	18	6211	0	31	2869	390004
March	67	4700	0	27	2936	394704
April	19	4151	0	31	2955	398855
May	4	1411	0	22	2959	400266
June	0	218	47	2	2959	400484
July	0	893	16	5	2959	401377
August	0	390	0	2	2959	401767
September	0	1113	0	11	2959	402880
October	71	6849	0	31	3030	409729
November	28	6135	0	30	3058	415864
December	62	5888	0	31	3120	421752

Year:1984

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	8	5213	0	31	3128	426965
February	48	5527	0	29	3176	432492
March	32	3116	0	31	3208	435608
April	35	4172	0	29	3243	439780
May	19	1299	0	1	3262	441079
June	0	343	0	2	3262	441422
July	0	461	0	2	3262	441883
August	0	490	0	2	3262	442373
September	0	442	0	2	3262	442815
October	0	534	0	2	3262	443349
November	0	148	0	2	3262	443497
December	0	113	0	2	3262	443610

Year:1985

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	21	4215	0	22	3283	447825
February	71	6921	0	21	3354	454746
March	52	6092	0	31	3406	460838
April	23	2682	0	11	3429	463520
May	0	413	0	31	3429	463933
June	0	166	0	0	3429	464099
July	42	3651	0	16	3471	467750
August	0	37	0	3	3471	467787
September	0	636	0	99	3471	468423
October	0	0	0	99	3471	468423
November	26	4144	0	99	3497	472567
December	52	5181	0	99	3549	477748

Year:1986

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	19	3651	0	99	3568	481399
February	53	3560	0	99	3621	484959
March	0	627	0	99	3621	485586
April	0	0	0	99	3621	485586

May	0	0	0	99	3621	485586
June	0	0	0	99	3621	485586
July	0	0	0	99	3621	485586
August	0	0	0	99	3621	485586
September	0	0	0	99	3621	485586
October	27	3126	1	99	3648	488712
November	27	4625	1	99	3675	493337
December	21	3379	2	99	3696	496716

Year:1987

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	34	4737	1	99	3730	501453
February	14	2336	1	17	3744	503789
March	28	4293	1	31	3772	508082
April	35	2744	1	14	3807	510826
May	0	0	0	0	3807	510826
June	0	0	0	0	3807	510826
July	0	0	0	0	3807	510826
August	0	0	0	0	3807	510826
September	0	0	0	0	3807	510826
October	0	0	0	0	3807	510826
November	20	5676	1	28	3827	516502
December	25	4252	1	31	3852	520754

Year:1988

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	30	2894	2	31	3882	523648
February	15	3141	2	24	3897	526789
March	0	0	7	0	3897	526789
April	0	0	0	0	3897	526789
May	0	0	0	0	3897	526789
June	0	0	0	0	3897	526789
July	3	2321	1	18	3900	529110
August	0	2130	0	12	3900	531240
September	25	4224	0	18	3925	535464
October	13	3165	1	31	3938	538629
November	2	3108	0	30	3940	541737
December	25	3737	0	31	3965	545474

Year:1989

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	34	4200	1	31	3999	549674
February	18	2434	0	28	4017	552108
March	20	1849	2	31	4037	553957
April	0	553	0	4	4037	554510
May	0	8	0	31	4037	554518
June	0	0	0	0	4037	554518
July	0	0	0	0	4037	554518
August	0	0	0	0	4037	554518

September	0	0	0	0	4037	554518
October	0	0	0	0	4037	554518
November	4	2002	0	6	4041	556520
December	17	12131	1	31	4058	568651

Year:1990

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	0	8134	3	10	4058	576785
February	19	2354	1	12	4077	579139
March	0	8438	6	20	4077	587577
April	0	6400	5	18	4077	593977
May	0	7326	4	13	4077	601303
June	0	4353	3	10	4077	605656
July	3	11408	0	24	4080	617064
August	4	6703	0	8	4084	623767
September	0	2516	0	0	4084	626283
October	0	7948	0	0	4084	634231
November	0	11003	5	16	4084	645234
December	0	7836	5	16	4084	653070

Year:1991

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	6	1727	0	4	4090	654797
February	0	944	1	4	4090	655741
March	20	2222	1	15	4110	657963
April	0	213	0	1	4110	658176
May	0	0	0	0	4110	658176
June	0	0	0	0	4110	658176
July	0	0	0	0	4110	658176
August	0	0	0	0	4110	658176
September	0	1897	3	11	4110	660073
October	0	1879	1	12	4110	661952
November	5	2466	0	10	4115	664418
December	0	2519	4	14	4115	666937

Year:1992

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	32	4102	1	31	4147	671039
February	8	1086	0	5	4155	672125
March	0	0	0	0	4155	672125
April	0	0	0	0	4155	672125
May	0	0	0	0	4155	672125
June	0	0	0	0	4155	672125
July	0	0	0	0	4155	672125
August	0	0	0	0	4155	672125
September	0	9843	9	29	4155	681968
October	0	1838	0	1	4155	683806
November	0	2796	6	19	4155	686602
December	0	1446	8	25	4155	688048

Year:1993

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Produ	Accum. Oil	Accum. Gas(MCF)
January	0	425	4	14	4155	688473	
February	0	0	0	0	4155	688473	
March	0	0	0	0	4155	688473	
April	0	4251	9	30	4155	692724	
May	0	3337	9	31	4155	696061	
June	0	2530	9	30	4155	698591	
July	49	2645	9	31	4204	701236	
August	0	3694	9	31	4204	704930	
September	0	735	9	30	4204	705665	
October	0	3258	9	31	4204	708923	
November	0	1244	9	30	4204	710167	
December	32	3983	9	31	4236	714150	

Year:1994

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Produ	Accum. Oil	Accum. Gas(MCF)
January	0	1274	9	31	4236	715424	
February	0	2875	8	28	4236	718299	
March	0	664	9	31	4236	718963	
April	0	403	1	3	4236	719366	
May	0	2492	8	26	4236	721858	
June	80	1978	9	30	4316	723836	
July	0	1820	9	31	4316	725656	
August	0	1880	9	31	4316	727536	
September	40	1474	9	30	4356	729010	
October	0	2287	31	31	4356	731297	
November	0	2318	30	30	4356	733615	
December	0	2137	31	31	4356	735752	

Year:1995

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Produ	Accum. Oil	Accum. Gas(MCF)
January	0	4613	31	31	4356	740365	
February	0	4047	8	28	4356	744412	
March	0	4622	9	31	4356	749034	
April	0	4261	9	30	4356	753295	
May	0	4082	9	31	4356	757377	
June	162	3038	9	30	4518	760415	
July	0	3254	9	31	4518	763669	
August	0	3231	9	31	4518	766900	
September	0	3137	9	30	4518	770037	
October	0	3162	9	31	4518	773199	
November	0	3287	9	30	4518	776486	
December	3	3265	9	31	4521	779751	

Year:1996

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Produ	Accum. Oil	Accum. Gas(MCF)
January	0	3061	9	31	4521	782812	



February	12	3070	9	29	4533	785882
March	0	3142	9	31	4533	789024
April	0	2936	9	30	4533	791960
May	0	2833	9	31	4533	794793
June	0	2694	9	30	4533	797487
July	0	2800	9	31	4533	800287
August	0	2865	9	31	4533	803152
September	0	2690	9	30	4533	805842
October	0	2854	0	31	4533	808696
November	0	2842	0	30	4533	811538
December	0	2892	61	31	4533	814430

Year:1997

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	0	2708	0	31	4533	817138
February	0	2514	0	28	4533	819652
March	0	2957	0	31	4533	822609
April	6	2202	25	30	4539	824811
May	4	2399	0	31	4543	827210
June	6	2269	0	30	4549	829479
July	0	2610	0	31	4549	832089
August	0	2246	0	31	4549	834335
September	0	2598	0	30	4549	836933
October	0	2546	0	31	4549	839479
November	0	2620	0	30	4549	842099
December	0	2643	0	31	4549	844742

Year:1998

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	0	3570	0	31	4549	848312
February	9	4275	0	28	4558	852587
March	1	4211	0	31	4559	856798
April	7	2921	0	30	4566	859719
May	7	4171	0	31	4573	863890
June	3	3701	0	30	4576	867591
July	2	3912	0	31	4578	871503
August	0	3457	0	31	4578	874960
September	0	2931	0	30	4578	877891
October	0	2976	0	31	4578	880867
November	1	3750	0	30	4579	884617
December	0	3675	0	31	4579	888292

Year:1999

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Produ	Accum. Oil	Accum. Gas(MCF)
January	0	4057	0	31	4579	892349
February	0	3421	0	28	4579	895770
March	7	3373	80	31	4586	899143
April	3	3557	0	30	4589	902700
May	2	3120	0	31	4591	905820

June	0	3229	0	30	4591	909049
July	0	3050	0	31	4591	912099
August	0	3287	0	31	4591	915386
September	0	2968	0	30	4591	918354
October	0	3388	0	31	4591	921742
November	0	3159	0	30	4591	924901
December	0	2835	0	31	4591	927736

Year:2000

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil Accum.	Gas(MCF)
January	0	3768	0	31	4591	931504
February	0	4082	0	28	4591	935586
March	0	4263	60	31	4591	939849
April	0	4027	0	30	4591	943876
May	0	3790	0	31	4591	947666
June	0	3618	0	30	4591	951284